Bay Area Air Quality Management District

939 Ellis Street San Francisco, CA 94109 (415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

ConocoPhillips Company – San Francisco Refinery Facility #A0016

Facility Address:

1380 San Pablo Avenue Rodeo, CA 94572

Mailing Address:

1380 San Pablo Avenue Rodeo, CA 94572

Responsible Official

J. Michael Kenney, General Manager 510 245 4415

Facility Contact

Valerie Uyeda, Environmental Specialist 510 245 5249

Type of Facility: Petroleum refinery BAAQMD Engineering Division Contact:

Primary SIC: 2911 Julian Elliot

Product: refined petroleum products

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jack P. Broadbent

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

December 1, 2003

Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS	3
II. EQUIPMENT	7
III. GENERALLY APPLICABLE REQUIREMENTS	23
IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS	26
V. PERMIT CONDITIONS	254
VI. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS	284
VII. TEST METHODS	410
VIII. SCHEDULE OF COMPLIANCE	254
IX. PERMIT SHIELD	418
X. GLOSSARY	421
XI. APPLICABLE STATE IMPLEMENTATION PLAN	429

Permit for Facility #: A0016

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 5/2/01);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA on 8/1/01);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 8/1/01);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA on 2/25/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA on 2/25/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA on 2/25/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 5/2/01).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

- 1. This Major Facility Review Permit was issued on December 1, 2003, and expires on November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 31, 2008 and no earlier than November 30, 2007. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after November 30, 2008. (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
- 2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
- 3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

- 5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
- 8. Any records required maintained pursuant to this permit, which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
- 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B Public Information, Confidentiality of Business Information. (40 CFR Part 2)
- 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
- 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or

- specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
- 2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be December 1, 2003, to May 31, 2004. The second reporting period for this permit shall be June 1, 2004, to June 30, 2004. Subsequent reports shall be for the following periods: July 1st through December 31st and January 1st through June 30th. All reports are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement Bay Area Air Quality Management District 939 Ellis Street San Francisco, CA 94109 Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The first certification period shall be December 1, 2003, to November 30, 2004. The second certification period shall be December 1, 2004, to December 31, 2004. Subsequent certification periods will be January 1st to December 31st. All compliance certifications are due on the last day of the month after the end of the certification period. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

> Director of the Air Division USEPA, Region IX 75 Haweighthorne Street San Francisco, CA 94105 Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

- 1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
- 2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
- 3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

For grandfathered sources, the throughput limits as shown in Condition 20989 are based upon District records at the time of the MFR permit issuance. The facility must report any exceedance of these limits following the procedures in Section I.F. This reporting requirement is intended to facilitate a determination of whether a modification has occurred as defined in Regulation 2-1-234.3. The throughput limits for grandfathered sources are for reporting purposes only. Exceedance of this limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred.

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. EQUIPMENT

Table II A - Permitted Sources

S-#	Description	Make or Type	Model	Capacity
	U229, B-301 Heater	Petro-Chem	process	22 MM BTU/hr
2	(natural gas, refinery fuel gas)		heater	
	U230, B-201 Heater	Petro-Chem	process	62 MM BTU/hr
	(natural gas, refinery fuel gas,		heater	
3	naphtha)			
	U231, B-101 Heater	Braun	process	96 MM BTU/hr
4	(natural gas, refinery fuel gas)		heater	
	U231, B-102 Heater	Braun	process	104 MM BTU/hr
5	(natural gas, refinery fuel gas)		heater	
	U231, B-103 Heater	Petro-Chem	process	64 MM BTU/hr
	(natural gas, refinery fuel gas,		heater	
7	naphtha)			
	U240, B-1 Boiler	Combustion	process	256 MM BTU/hr
8	(natural gas, refinery fuel gas)	Engineering	heater	
	U240, B-2 Boiler	Born	process	61 MM BTU/hr
9	(natural gas, refinery fuel gas)		heater	
	U240, B-101 Heater	Foster-Wheeler	process	223 MM BTU/hr
10	(natural gas, refinery fuel gas)		heater	
	U240, B-201 Heater	Econo-Therm	process	108 MM BTU/hr
11	(natural gas, refinery fuel gas)		heater	
	U240, B-202 Heater	Econo-Therm	process	42 MM BTU/hr
12	(natural gas, refinery fuel gas)		heater	
	U240, B-301 Heater	Born	process	194 MM BTU/hr
13	(natural gas, refinery fuel gas)		heater	
	U240, B-401 Heater	Selas	process	556 MM BTU/hr
14	(natural gas, refinery fuel gas)		heater	
	U244, B-501 Heater	Alcorn	process	239.75 MM BTU/hr total
15	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-502 Heater	Alcorn	process	239.75 MM BTU/hr total
16	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-503 Heater	Alcorn	process	239.75 MM BTU/hr total
17	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
10	U244, B-504 Heater	Alcorn	process	239.75 MM BTU/hr total
18	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
10	U244, B-505 Heater	Alcorn	process	239.75 MM BTU/hr total
19	(natural gas, refinery fuel gas)	D. TH	heater	for S-15 through S-19
20	U244, B-506 Heater	Econo-Therm	process	23 MM BTU/hr
20	(natural gas, refinery fuel gas)	E TI	heater	0.1.101.0711/
21	U244, B-507 Heater	Econo-Therm	process	8.1 MM BTU/hr
21	(natural gas, refinery fuel gas)	D. TH	heater	21 2 0 4 5 777 1 //
	U248, B-606 Heater	Econo-Therm	process	31 MM BTU/hr
22	(natural gas, refinery fuel gas)		heater	

S-#	Description	Make or Type	Model	Capacity
	U200, B-5 Heater	Foster-Wheeler	process	103 MM BTU/hr
29	(natural gas, refinery fuel gas)		heater	
	U200, B-101 Heater	Petro-Chem	process	50 MM BTU/hr
30	(natural gas, refinery fuel gas)		heater	
	U200, B-501 Heater	Petro-Chem	process	20 MM BTU/hr
31	(natural gas, refinery fuel gas)		heater	
	U200, B-202 Heater		process	230 MM BTU/hr
43	(natural gas, refinery fuel gas)		heater	
	U200, B-201 PCT Reboil		process	46 MM BTU/hr
	Furnace		heater	
44	(natural gas, refinery fuel gas)			
	Diesel Engine (turbine S-352	Allis-Chalmers	6138, 435	<100 hr/yr operation
50	startup)		hp	
	Diesel Engine (turbine S-353	Allis-Chalmers	6138, 435	<100 hr/yr operation
51	startup)		hp	
	Diesel Engine (turbine S-354	Allis-Chalmers	6138, 435	<100 hr/yr operation
52	startup)		hp	
		Cummins	6B-5.9, 97	<100 hr/yr operation
50	GDD F		hp	(excluding emergency
53	SPP Emergency Generator G-27	*** 1 1 0 :	E CASE CATE	use)
	D G (2 CD 100	Waukesha Scania	F647DSUF	<100 hr/yr operation
E 1	Pump Station 3 CP-198		, 258 hp	(excluding emergency
54	Emergency Engine	W. 1 L. C	E(47DCLIE	use)
	Promes Station 2 CD 100	Waukesha Scania	F647DSUF	<100 hr/yr operation
55	Pump Station 3 CP-199 Emergency Engine		, 258 hp	(excluding emergency use)
33	Emergency Engine	Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201A	Catcipinai	hp	(excluding emergency
56	Emergency Engine		пр	use)
50	Emergency Engine	Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201B	Cuvorpinus	hp	(excluding emergency
57	Emergency Engine		·-r	use)
	5 , 5	Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422A		hp	(excluding emergency
58	Emergency Engine		1	use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422B		hp	(excluding emergency
59	Emergency Engine			use)
97	Tank 100	external floating roof	crude oil	298 thousand bbl
100	Tank 103	external floating roof	ship ballast	47 thousand bbl
	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
101	T-104			
	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
102	T-105			
	Storm Water Equalization Tank	external floating roof	stormwater	10.6 million gal
106	T-130			
107	Tank 150	external floating roof	crude oil	68 thousand bbl

S-#	Description	Make or Type	Model	Capacity
		external floating roof	crude oil,	4.2 million gal
			gas oil,	
110	Tank 155		distillate oil	
111	Tank 156	external floating roof	crude oil	100 thousand bbl
112	Tank 157	external floating roof	crude oil	100 thousand bbl
113	Tank 158	external floating roof crude oil		101 thousand bbl
114	Tank 159	external floating roof	crude oil	136 thousand bbl
115	Tank 160	external floating roof	naphtha	75 thousand bbl
117	Tank 162	external floating roof	naphtha	5300 gal
118	Tank 163	fixed roof	lube oil	5300 gal
121	Tank 166	external floating roof	gasoline	18500 gal
122	Tank 167	external floating roof	naphtha	3.1 million gal
123	Tank 168	external floating roof	naphtha	75 thousand bbl
124	Tank 169	external floating roof	naphtha	75 thousand bbl
125	Tank 170	external floating roof	naphtha	75 thousand bbl
		external floating roof	naphtha,	75 thousand bbl
126	Tank 172		MTBE	
		external floating roof	crude oil,	76 thousand bbl
128	Tank 174		naphtha	
129	Tank 180	external floating roof	naphtha	76 thousand bbl
133	API Waste Oil Tank T-193	external floating roof	waste oil	22 thousand bbl
134	API Waste Oil Tank T-194	external floating roof	waste oil	22 thousand bbl
139	Tank 204	fixed roof	distillate oil	81 thousand bbl
140	Tank 205	fixed roof	naphtha	54 thousand bbl
150	Tank 241	external floating roof	gasoline	79 thousand bbl
151	Tank 242	external floating roof	gasoline	75 thousand bbl
177	Tank 287	external floating roof	gasoline	104 thousand bbl
178	Tank 288	external floating roof	diesel	104 thousand bbl
182	Tank 294	fixed roof	naphtha	40 thousand bbl
183	Tank 295	external floating roof	naphtha	13 thousand bbl
184	Tank 296	external floating roof	naphtha	70 thousand bbl
186	Tank 298	external floating roof	naphtha	47 thousand bbl
193	Tank 305	fixed roof	dye	2000 gal
194	Tank 306	fixed roof	dye	2000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2500 bbl
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
210	Tank 073	fixed-roof	caustic	10000 bbl
238	Used Caustic Tank T-211		waste	
239	Stripped Foul Water Tank T- 212	fixed-roof	sour water	10000 bbl
254	Tank 1001	external floating roof	gasoline	104 thousand bbl
255	Tank 1002	external floating roof	gasoline	104 thousand bbl
256	Tank 1003	external floating roof	gasoline	104 thousand bbl

S-#	Description	Make or Type	Model	Capacity
257	Tank 1004	external floating roof	gasoline	104 thousand bbl
258	Tank 1005	external floating roof	gasoline	104 thousand bbl
259	Tank 1006	external floating roof	gasoline	104 thousand bbl
		external floating roof	naphtha,	104 thousand bbl
261	Tank 1010		distillate oil	
	Non-Retail Gasoline Dispensing	phase I / II vapor	EW A4000	15000 gal underground
294	Facility (GDF 7609 – 1 nozzle)	recovery		tank
		John Zink	STF-SA-	692 ton/hr gas handling
			42S	capacity, 6.6 MM BTU/hr
296	C-1 Flare			pilot
300	U200 Delayed Coker	delayed coker	NA	56,000 bbl/day
201	2.5.1. 2.12. 20.4	NA	NA	245 long ton/day for S-
301	Molten Sulfur Pit 234	27.1	27.1	301, 302, 303
202	Maltan Salfan Dit 226	NA	NA	245 long ton/day for S-
302	Molten Sulfur Pit 236	27.4	374	301, 302, 303
303	Molten Sulfur Pit 238	NA	NA	245 long ton/day for S- 301, 302, 303
304	U229 Mid-Barrel Unionfining	NA	NA	12198 bbl/day
304	U230 Prefractionator/Naphtha	NA	NA NA	25300 bbl/day
305	Hydrotreater	IVA	INA	23300 001/day
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit	NA	NA NA	38,000 bbl/day
308	U244 Reforming Unit	NA	NA NA	16087 bbl/day
309	U248 UNISAR Unit	NA	NA NA	16740 bbl/day
309	U76 Gasoline/Mid Barrel	NA	NA NA	80000 bbl/day gasoline
318	Blending Unit	NA	INA	41200 bbl/day diesel
310	U215 Gasoline Fractionating	NA	NA	7500 bbl/day
319	Unit	IVA	INA	7500 001/day
317	Ont	NA	NA	throughput limited at
		1471	1171	specific tanks, process
322	U40 Raw Materials Receiving			units
		NA	NA	7,500 gpm during media
	U100 API Oil Wastewater			filter backwash and 7,000
	Separator (with outlet channel			gpm during all other
324	cover)			times
334	Tank 107	external floating roof	crude oil	180 thousand bbl
	U231 B-104 Heater	Foster-Wheeler	process	111 MM BTU/hr
336	(natural gas, refinery fuel gas)		heater	
	U231 B-105 Heater	Foster-Wheeler	process	34 MM BTU/hr
337	(natural gas, refinery fuel gas)		heater	
338	U233 Fuel Gas Center			7.5 E 6 cubic feet/hr
339	U80 Refined Oil Shipping Unit	gasoline shipping		294 thousand gal/hr
340	Tank 108	external floating roof	crude oil	200 thousand bbl
341	Tank 208	external floating roof	gasoline	103 thousand bbl
342	Tank 209	external floating roof	gasoline	103 thousand bbl
343	Tank 210	external floating roof	gasoline	103 thousand bbl

S-#	Description	Make or Type	Model	Capacity
		atmospheric/vacuum		33000 bbl/day
350	U267 Crude Distillation Unit	towers		
	U267 B-601/602 Tower Pre-			101 MM BTU/hr
	heaters			
351	(natural gas, refinery fuel gas)			
	Combustion Turbine	Westinghouse	191	291MMBTU/hr
352	(natural gas, refinery fuel gas)			continuously
	Combustion Turbine	Westinghouse	191	291MMBTU/hr
353	(natural gas, refinery fuel gas)			continuously
	Combustion Turbine	Westinghouse	191	291MMBTU/hr
354	(natural gas, refinery fuel gas)			continuously
	Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners			
355	(natural gas, refinery fuel gas)			
	Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners			
356	(natural gas, refinery fuel gas)			
	Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners			
357	(natural gas, refinery fuel gas)			
360	Mid-Barrel Tank 223	fixed roof	distillate oil	
370	U228 Isomerization Unit			460 bbl/hr
	U228 B-520 (Adsorber Feed)	Selas		58 MM BTU/hr for S-
	Furnace			371, 372
371	(natural gas, refinery fuel gas)			
	U228 B-521 (Hydrogen Plant)	Selas		58 MM BTU/hr for S-
	Furnace			371, 372
372	(natural gas, refinery fuel gas)			
376	Tool Room Cold Cleaner	Build-All	DM-32	29 gal
377	Machine Shop Cold Cleaner	Build-All	DM-32	29 gal
378	Auto Shop Cold Cleaner	Snap-On	DM-226	18 gal
380	Activated Carbon Silo (P-204)			50,000 lb
381	Aeration Tank, Pact (F-201)	wastewater	100 ft dia	1.2 million gal
382	Aeration Tank, Pact (F-202)	wastewater	100 ft dia	1.2 million gal
383	Clarifier, F-203	wastewater	95 ft dia	0.69 million gal
384	Clarifier (F-204)	wastewater	95 ft dia	0.69 million gal
385	Media Filter (F-207 A-H)	wastewater		420 thousand gal/hr
	PAC Regeneration Sludge		25 ft dia	44000 gal
386	Thickener (F-211)			
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
	Sludge Pretreatment (T276,	30 ft dia by 24 ft		17.5 ton/hr
388	F205)	12 ft dia by 24 ft		
389	Diatomaceous earth silo (F-214)			40000 lb
	F-106 Thickened Sludge	15 ft diameter open tank		38,000 gal
390	Storage			

S-#	Description	Make or Type	Model	Capacity
	Regenerated PAC Slurry	fixed roof		42000 gal
392	Storage Tank F-266			
398	MP-30 Flare	John Zink	Q5-48C	3.1 MM BTU/hr pilot
	Wet Weather Wastewater Sump	32 ft x 36 ft x 23 ft deep		175 thousand gal
400	(with vented cover)	•		
	Dry Weather Wastewater Sump	33 ft x 25 ft x 26 ft deep		150 thousand gal
401	(with vented cover)			
		2 permitted arms		25000 bbl/day annual
425	Marine Loading Berth M1			average for S-425, 426
		4 permitted arms		25000 bbl/day annual
426	Marine Loading Berth M2			average for S-425, 426
432	U215 Deisobutanizer			7600 bbl/day
433	MOSC Storage Tank	fixed roof		30000 gal
435	Reformate Splitter			18100 bbl/day
436	Deisopentanizer			13400 bbl/day
437	Hydrogen Manufacturing Unit			25 million scf/day
	U110, H-1 (H2 Plant	Claudius Peters	reforming	210 MM BTU/hr
	Reforming) Furnace		furnace	
420	(natural gas, refinery fuel gas,			
438	PSA offgas)	10 0		464.1
420	T 1 100	external floating roof	gasoline,	161 thousand bbl
439	Tank 109	external floating roof	others	171 4 1111
440	Tank 110 (Alkylate)		alkylate	161 thousand bbl
442	Tank 112	external floating roof	gasoline, others	161 thousand bbl
442	Talik 112	external floating roof	gasoline,	113 thousand bbl
444	Tank 243	external floating foot	others	113 tilousaliu ooi
445	Tank 271 (Cracked Naphtha)	underground tank	naphtha	189 thousand bbl
446	Tank 310 (Isopentane)	fixed roof	isopentane	41 thousand bbl
447	Tank 311 (Isopentane)	fixed roof	isopentane	41 thousand bbl
777	Tank 1007 (Blendstock	internal floating roof	gasoline,	243 thousand bbl
448	Receiving)	internal floating foor	others	2 13 thousand oor
449	Tank 285 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl
,	Tumi 200 (Crusiicu riupiiniu)	111001	ground-	3 gpm continuously
	Groundwater Extraction		water	Spar community
450	Trenches		remediation	
		external floating roof	naphtha,	81 thousand bbl
			gasoline,	
451	Tank 695		others	
	Sulfur Plant Unit 234 (including		Claus	245 long ton/day for S-
1001	aux. burner)			1001, 1002 and 1003
	Sulfur Plant Unit 236 (including		Claus	245 long ton/day for S-
1002	aux. burner, water stripper)			1001, 1002 and 1003
	Sulfur Plant Unit 238 (including		Claus	245 long ton/day for S-
1003	aux. burner)			1001, 1002 and 1003

S-#	Description	Make or Type	Model	Capacity
				7,500 gpm during media
				filter backwash and 7,000
	U100 Dissolved Air Flotation			gpm during all other
1007	Unit (with fixed roof)			times
	U100 Primary Stormwater			7000 gpm
1008	Basin			
1009	U100 Main Stormwater Basin			7000 gpm

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
1	Sulfur Plant Tail-Gas	S-1001	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
			BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
2	Sulfur Plant Tail-Gas	S-1002	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
			BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
3	Sulfur Plant Tail-Gas	S-1003	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
			BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
4	SCR System	S-43	BAAQMD	NOx, O2 CEMs	40 ppmv NOx
			Condition		at 3% O2 (over
			1694		8-hr period)
					except at
					startup and
					shutdown
			BAAQMD	none	50 ppmv CO at
			Condition		3% O2
			1694		(monthly
					average)
					except at
					startup and
					shutdown
6	SCR System	S-351	BAAQMD	NOx, O2 CEMs	20 ppmv NOx
			Condition		at 3% O2 (over
			1694		3-hr period)
					except at
					startup and
					shutdown

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System (3	Tanks	BAAQMD	none	nuisance odors
	electrically driven	S-139,	7-301, 7-302,		
	compressors)	S-140,	7-303		
		S-182,			
		S-388,			
		S-433,			
		S-445,			
		S-446,			
		S-447			
		S-139,	SIP 8-5-311.3	None	95% overall
		S-140,			control of
		S-182			emissions
		S-139, S-	BAAQMD 8-	None	95% overall
		140, S-182	5-306		control of
					emissions
		S-449	BAAQMD	None	vent emissions
			Condition		to the refinery
			11219		fuel gas system
		S-433	BAAQMD	None	vent emissions
			Condition		to the refinery
			7353		fuel gas system
		S-445	BAAQMD	None	vent emissions
			Condition		to the refinery
			12130		fuel gas system
		S-446	BAAQMD	None	vent emissions
			Condition		to the refinery
			12131		fuel gas system
		S-447	BAAQMD	None	vent emissions
			Condition		to the refinery
			12132		fuel gas system
		S-182	BAAQMD	None	vent emissions
			Condition		to the refinery
			13184		fuel gas system
8	Stretford Evaporative Cooler	S-301	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
			BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
9	Stretford Evaporative Cooler	S-302	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
			BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
10	Stretford Evaporative Cooler	S-303	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
			BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
13	SCR System	S-352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S-355	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S-352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
		S-352,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S-355	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at S-
					352-357
		S-352	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301	CO2 CEM	15% O2
14	SCR System	S-353,	BAAQMD	NOx CEM	66 lb/hr NOx
		S-356	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S-352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
		S-353,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S-356	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at S-
					352-357
		S-353	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301	CO2 CEM	15% O2

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
15	SCR System	S-354,	BAAQMD	NOx CEM	66 lb/hr NOx
		S-357	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S-352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
		S-354,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S-357	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at S-
					352-357
		S-354	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301	CO2 CEM	15% O2
16	SCR System	S-371	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
			BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)
17	SCR System	S-372	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
			BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
20	Activated Carbon Silo	S-380	BAAQMD	differential pressure	normal range
	Baghouse		Regulations		
			6-301		
			6-305		
			6-310		
			6-311		
			BAAQMD		
			Condition		
			18251		
21	Diatomaceous Earth Silo	S-389	BAAQMD	differential pressure	normal range
	Baghouse		Regulations		
			6-301		
			6-305		
			6-310		
			6-311		
			0-311		
			BAAQMD		
			Condition		
			18251		
46	SCR System	S-438	BAAQMD	NOx, O2 CEMs	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part E		average)
		S-438	BAAQMD	none	32 ppmv CO at
			Condition		3% O2 (daily
			1694, Part E		average)
50	Hydrogen Plant Vent	S-307	BAAQMD	None	15 lb/day POC
	Scrubber		8-2-301		from emission
					streams with
					more than 300
					ppm total
					carbon

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
113	SCR System	S-13	BAAQMD	NOx, O2 CEM	0.033 lb
			9-10-301		NOx/MMBTU
					refinery-wide
					limit
420	Marine Terminal Thermal	S-425	BAAQMD	None	2 pounds POC
	Oxidizer	S-426	8-44-301		per 1,000 bbl
					loaded OR at
					least 95% by
					weight
					reduction of
					POC emissions

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
69	Propane Loading Rack	BAAQMD 2-1-123.3.1
70	Butane Loading Rack	BAAQMD 2-1-123.3.1
71	Wax & Lube Oil Loading Rack (Tank Cars)	BAAQMD 2-1-123.3.4, BAAQMD 2-1-123.3.6
72	Wax Loading Rack (Trucks)	BAAQMD 2-1-123.3.6
73	Lube Oil Loading Rack (Trucks)	BAAQMD 2-1-123.3.4
90	Tank 67	BAAQMD 2-1-123.3.2
91	Tank 73	BAAQMD 2-1-123.3.6
94	Tank 78	BAAQMD 2-1-123.3.10
98	Tank 101	BAAQMD 2-1-123.3.2, BAAQMD 2-1-1233.3
99	Tank 102	BAAQMD 2-1-123.3.2
103	Tank 106	BAAQMD 2-1-123.3.2
105	Tank 129	BAAQMD 2-1-123.3.2
108	Tank 153	BAAQMD 2-1-123.3.2
109	Tank 154	BAAQMD 2-1-123.3.2
120	Tank 165	BAAQMD 2-1-123.3.4
127	Tank 173	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
130	Tank 188	BAAQMD 2-1-123.3.6
131	Tank 189	BAAQMD 2-1-123.3.6
132	Tank 191	BAAQMD 2-1-123.3.4
135	Tank 200	BAAQMD 2-1-123.3.2
136	Tank 201	BAAQMD 2-1-123.3.2

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
137	Tank 202	BAAQMD 2-1-123.3.2
138	Tank 203	BAAQMD 2-1-123.3.3
141	Tank 213	BAAQMD 2-1-123.3.6
142	Tank 214	BAAQMD 2-1-123.3.6
143	Tank 215	BAAQMD 2-1-123.3.6
144	Tank 216	BAAQMD 2-1-123.3.6
145	Tank 217	BAAQMD 2-1-123.3.4
148	Tank 231	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.9
149	Tank 232	BAAQMD 2-1-123.2, BAAQMD 2-1-123.3.9
157	Tank 252	BAAQMD 2-1-123.3.6
158	Tank 258	BAAQMD 2-1-123.3.2
162	Tank 262	BAAQMD 2-1-123.3.6
164	Tank 264	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
165	Tank 265	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
166	Tank 266	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
167	Tank 268	BAAQMD 2-1-123.3.6
168	Tank 269	BAAQMD 2-1-123.3.2
169	Tank 270	BAAQMD 2-1-123.3.2
171	Tank 273	BAAQMD 2-1-123.3.6
172	Tank 279	BAAQMD 2-1-123.3.6
173	Tank 280	BAAQMD 2-1-123.3.2
174	Tank 281	BAAQMD 2-1-123.3.3
175	Tank 284	BAAQMD 2-1-123.3.2
179	Tank 291	BAAQMD 2-1-123.3.2
180	Tank 292	BAAQMD 2-1-123.3.2
187	Tank 299	BAAQMD 2-1-123.3.4
188	Tank 300	BAAQMD 2-1-123.3.1
189	Tank 301	BAAQMD 2-1-123.3.1
190	Tank 302	BAAQMD 2-1-123.3.1
191	Tank 303	BAAQMD 2-1-123.3.3
192	Tank 304	BAAQMD 2-1-123.3.3
202	Tank 521	BAAQMD 2-1-123.3.6
204	Tank 528	BAAQMD 2-1-123.3.2
205	Tank 529	BAAQMD 2-1-123.3.2
206	Tank 530	BAAQMD 2-1-123.3.4
207	Tank 531	BAAQMD 2-1-123.3.6
209	Tank 674	BAAQMD 2-1-123.3.2
224	Tank 746	BAAQMD 2-1-123.3.4

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
225	Tank 747	BAAQMD 2-1-123.3.4
226	Tank 748	BAAQMD 2-1-123.3.6
227	Tank 749	BAAQMD 2-1-123.3.6
228	Tank 750	BAAQMD 2-1-123.3.6
229	Tank 751	BAAQMD 2-1-123.3.6
230	Tank 752	BAAQMD 2-1-123.3.6
231	Tank 753	BAAQMD 2-1-123.3.4
236	Tank 770	BAAQMD 2-1-123.3.4
237	Tank 771	BAAQMD 2-1-123.3.4
240	Tank 774	BAAQMD 2-1-123.3.4
241	Tank 775	BAAQMD 2-1-123.3.4
253	Tank 833	BAAQMD 2-1-123.3.1
260	Tank 1009	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
262	Tank 1011	BAAQMD 2-1-123.3.3
263	Tank 1012	BAAQMD 2-1-123.3.3
266	Tank 1345	BAAQMD 2-1-123.3.4
267	Tank 1346	BAAQMD 2-1-123.3.4
286	Tank F3	BAAQMD 2-1-123.3.3
287	Tank F10	BAAQMD 2-1-123.3.4
293	Tank F805	BAAQMD 2-1-123.3.3
427	Marine Loading Berth B2	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
428	Marine Loading Berth B3	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
429	Marine Loading Berth B4	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

- 1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
- 2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with <u>both</u> versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (8/01/01)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (5/17/00)	N
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (5/17/00)	N
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (5/2/01)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 2, Rule 9	IERCs (4/7/99)	N
BAAQMD Regulation 3	Fees (6/5/02)	N
SIP Regulation 3	Fees (5/3/84)	Y - note 1
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y - note 1
BAAQMD Regulation 5	Open Burning (11/2/94)	N
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (06/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y - note 1
SIP Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization	Y
	(7/20/83)	
	Organic Compounds – Aeration of Contaminated Soil	Y
BAAQMD Regulation 8, Rule 40	and Removal of Underground Storage Tanks (12/15/99)	
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y – note 1
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y - note 1
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/99)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y - note 1
Notification Requirement –	Notification Requirement – Process Unit Startup and	N
Process Unit Startup and Shutdown	Shutdown (Permit Section VI)	
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
Subpart H, 40 CFR 82.270(b)	Prohibitions, Halon	Y
Subpart M, 40 CFR 61	Asbestos Demolition and Renovation	Y

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

- 1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
- 2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit. All other text may be found in the regulations themselves.

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/02/01)		
Regulation 1			
1-301	Public Nuisance Prohibition	N	
1-107	Combination of Emissions	Y	
1-510	Area Monitoring	Y	
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Date Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-544	Monthly Summary	Y	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Requirements (8/1/01)		
Regulation 2, Rule 1			
2-1-429	Federal Emissions Statement	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
6-311	Process Weight Rate Limits	Y	
6-401	Appearance of Emissions	Y	
District	Organic Compounds, Miscellaneous Operations		
Regulation 8,			
Rule 2			
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day	Y	
	and 300 ppm total carbon on a dry basis		
BAAQMD	General Solvent and Surface Coating Operations (05/15/96)		
Regulation 8,			
Rule 4			
8-4-302	Solvent and Surface Coating Operations	N	
8-4-312	Solvent Evaporative Loss Minimization	N	
8-4-501	Recordkeeping Requirements	Y	
SIP	General Solvent and Surface Coating Operations (12/23/97)		
Regulation 8,			
Rule 4			
8-4-302	Solvent and Surface Coating Operations	Y-note 1	
BAAQMD	Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Tank Degassing Requirements, Approved Emission Control	Y	
0.5.404	System		
8-5-404	Certification	Y	
8-5-502	Tank Cleaning Annual Source Test Requirements	Y	
8-5-603	Determination of Emissions	Y	

		Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
8-5-603.2	Tank degassing equipment	Y	Date
BAAQMD	Emulsified and Liquid Asphalts (09/16/87)	1	
Regulation 8,	Emuisirea ana Eiquia Espinais (05/10/07)		
Rule 15			
8-15-305	Prohibition of Manufacturer and Sale	Y	
8-15-501	Manufacturing Records	Y	
BAAQMD	Aeration of Contaminated Soil and Removal of Underground		
Regulation 8,	Storage Tanks (12/15/01)		
Rule 40			
8-40-116	Exemption, Small Volume	Y	
8-40-205	Contaminated Soil	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-601	Contaminated Soil Sampling	Y	
8-40-604	Measurement of Organic Concentration	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-110.1	comply with monitoring, records and reporting requirements of	Y	
	1-1-510, 1-1-530, 1-1-540, 1-1-542, 1-1-543, 1-1-544		
9-1-110.2	comply with 9-1-301 ground level SO2 concentration limits	Y	
9-1-301	Limitations on Ground level Concentrations	Y	
9-1-302	General Emission Limitation (applicable if monitoring required in 9-110 fails)	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	Install a sulfur recovery plant	N	
9-1-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
9-1-604	Ground Level Monitoring	Y	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,	[only provisions which are different than current BAAQMD		
Rule 1	regulation are listed]		

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-1-313.2	Operation of a sulfur removal and recovery system that removes	Y	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and		
	ammonia from process water streams		
BAAQMD	Inorganic Gaseous Pollutants- Hydrogen Sulfide (10/6/99)		
Regulation 9,			
Rule 2 9-2-301	Limitations on Ground Level Concentrations	N	
9-2-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD	Asbestos Demolition, Renovation and Manufacturing (10/07/98)		
Regulation 11,			
Rule 2			
11-2-301	Prohibited Operations	N	
11-2-302	Visible Emissions	N	
11-2-303	Demolition, Renovation, and Removal	N	
11-2-304	Waste Disposal	N	
11-2-305	Waste Disposal Sites	N	
11-2-501	Temperature Records	N	
11-2-502	Waste Shipment Records	N	
11-2-503	Active Waste Disposal Records	N	
11-2-504	Conversion Operations	N	
NSPS	New Source Performance Standards – General Provisions		
40 CFR 60	(12/23/71)		
Subpart A			
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.12	Circumstances	Y	
60.13	Monitoring requirements	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.18	General control device requirements	Y	
60.19	General notification and reporting requirements	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants -		
40 CFR 61	General Provisions (3/16/95)		
Subpart A			
61.1	List of pollutants and applicability	Y	
61.2	Definitions	Y	
61.3	Units and abbreviations	Y	
61.4	Address	Y	
61.5	Prohibited activities	Y	
61.6	Determination of construction or modification	Y	
61.7	Application for approval of construction or modification	Y	
61.8	Approval of construction or modification	Y	
61.9	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modifications	Y	
61.16	Availability of information	Y	
61.17	State Authority	Y	
61.18	Incorporations by reference	Y	
61.19	Circumvention	Y	

Requirement Description of Requirement (Y/N) Date NESHAP Part 61 (3/7/90); Subpart FF; BAAQMD from Benzene Transfer Operations and Benzene Emissions Regulation 11, Operations (4/19/89) Regulation 11, Applicability Coperations (4/19/89) Rule 12 61.340(a) Applicability: Exempt Waste Y 61.342 (Standards: General Y 61.342(a) exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c) 61.355 Test methods, procedures and compliance provisions 7 (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still 61.355(c)(1) quantification of flow-weighted annual average benzene (in(i)(A) concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still 61.356 Recordkeeping requirements 61.356(a) recordkeeping and retention requirements 7 (St.356(b) waste stream records 61.357(c) reporting requirements for facilities with less than 10 Mg/yr total benzene in waste BAAQMD Regulation 11- 12 Neshap National Emission Standards for Hazardous Air Pollutants for Y 63.1 Applicability 7 (St.356(d) Prohibited activities 7 (St.356(d) Applicability 7 (St.356(d) Prohibited activities 7 (St.356(d) Application for approval of construction or reconstruction 7 (St.356(d) Application for approval of construction or reconstruction	Applicable	Regulation Title or	Federally Enforceable	Future Effective
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Subpart FF; BAAQMD Rational Emission Standard for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (4/19/89) Regulation 11, Rule 12 61.340(a) Applicability Exempt Waste Y Standards: General Stan		National Emission Standard for Benzene Waste Operations		
BAAQMD Regulation 11, Rule 12 61.340(a) Applicability 61.340(c) Applicability: Exempt Waste 61.342 Standards: General Y 61.342(a) exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c) 61.355 Test methods, procedures and compliance provisions Y 61.355(b)(1) quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still 61.355(e)(1) quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still 61.356 Recordkeeping and retention requirements Y 61.356(a) recordkeeping and retention requirements Y 61.357(c) reporting requirements Y 61.357(c) reporting requirements Y 61.357(c) reporting requirements for facilities with less than 10 Mg/yr total benzene in waste BAAQMD Regulation 11- 12 NESHAP National Emission Standards for Hazardous Air Pollutants for Y 60.2 Definitions 63.1 Applicability 63.2 Definitions 63.3 Units and abbreviations 74 63.4 Prohibited activities 75 63.5 Construction and reconstruction	61	(3/7/90);		
Regulation 11, Rule 12 Operations (4/19/89) 61.340(a) Applicability Y 61.340(b) Applicability Exempt Waste 61.342 (a) Standards General Y 61.342(a) exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c) Y 61.355 Test methods, procedures and compliance provisions Y 61.355(b)(1) quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still Y 61.355(c)(1) quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still Y 61.356 Recordkeeping requirements Y 61.356(a) recordkeeping and retention requirements Y 61.357(b) waste stream records Y 61.357(c) reporting requirements for facilities with less than 10 Mg/yr total benzene in waste Y BAAQMD Incorporates by reference 40 CFR 61 Subpart FF Y National Emission Standards for Hazardous Air Pollutants for 40 CFR 63 Y Subpart A Source Categories Subpart A Openinitions Y 63.3 Units and abbreviations Y 63.4 Prohibit	Subpart FF;	BAAQMD National Emission Standard for Benzene Emissions		
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Regulation 11- 12 NESHAP Autional Emission Standards for Hazardous Air Pollutants for Y 40 CFR 63 Subpart A 63.1 Applicability Y 63.2 Definitions Y 63.3 Units and abbreviations Y 63.4 Prohibited activities Y 63.5 Construction and reconstruction Y	61.357(c)		Y	
40 CFR 63 Source Categories Subpart A 63.1 63.1 Applicability Y 63.2 Definitions Y 63.3 Units and abbreviations Y 63.4 Prohibited activities Y 63.5 Construction and reconstruction Y	Regulation 11-	Incorporates by reference 40 CFR 61 Subpart FF	Y	
Subpart A Subpart A 63.1 Applicability Y 63.2 Definitions Y 63.3 Units and abbreviations Y 63.4 Prohibited activities Y 63.5 Construction and reconstruction Y	NESHAP	National Emission Standards for Hazardous Air Pollutants for	Y	
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63.2 Definitions Y 63.3 Units and abbreviations Y 63.4 Prohibited activities Y 63.5 Construction and reconstruction Y		Applicability	Y	
63.3 Units and abbreviations Y 63.4 Prohibited activities Y 63.5 Construction and reconstruction Y				
63.4 Prohibited activities Y 63.5 Construction and reconstruction Y				
63.5 Construction and reconstruction Y				

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
63.5(d)(1)	General Application Requirements	Y Y	
63.5(d)(2)	Application for approval of construction		
63.5(d)(3)	Application for approval of reconstruction Additional information	Y	
63.5(d)(4)	<u> </u>	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
63.15	Availability of Information & Confidentiality	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants for		
40 CFR 63	Source Categories: General Provisions; and Requirements for		
Subpart B	Control Technology Determinations for Major Sources in		
_	Accordance with Clean Air Act Sections, Section 112(g) and		
	112(j); Final Rule		
63.52	Approved process for new and existing affected sources.	Y	
63.52(a)	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	12/29/03
	63.53(b) for Combustion Turbines		
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	12/29/03
	63.53(b) for Site Remediation		
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	6/27/04
	63.53(b) for Boilers and Process Heaters		
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	6/27/04
	63.53(b) for Reciprocating Internal Combustion Engines		
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources,	Y	
	including compliance date for affected sources		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
MACT	National Emissions Standards for Hazardous Air Pollutants		
40 CFR 63	from Petroleum Refineries (8/18/95)		
Subpart CC			
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(f)	Applicability and Designation of Affected Sources	Y	
63.640(g)	Applicability and Designation of Affected Sources-Exempt processes	Y	
63.640(h)	Applicability and Designation of Affected Sources-Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Sources-New petroleum refining processes	Y	
63.640(j)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(k)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(1)	Applicability and Designation of Affected Sources-Additional requirements for new or changed sources	Y	
63.640(1)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of (1)(3)(i) through (1)(3)(vii) of this section	Y	
63.642	General Standards		
63.642(a)	apply for a Part 70 or Part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(1)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the method in (k) to comply without allowance to use the emission averaging compliance approach	Y	
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of 40 CFR Part 61, Subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(c)	Owners/operators required under Subpart FF of 40 CFR Part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR Part 60 Subpart VV and	Y	
	paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with Subpart H of this part except as provided in paragraphs (c) through (i) of this section.		
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR Part 60 Subpart VV or Subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of Subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of Subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of Subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of Subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.	Y	
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR Part 61, Subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	

Amaliaabla	Deculation Title on	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648	Y	
	shall comply with the recordkeeping and reporting provisions of		
	paragraphs (d)(1) through (d)(6) of this section.		
BAAQMD	The owner/operator shall notify the District in writing by fax or	N	
Condition	email no less than three calendar days in advance of any scheduled		
20989, Part B	startup or shutdown of any process unit and as soon as feasible for		
	any unscheduled startup or shutdown of a process unit, but no later		
	than 48 hours after the unscheduled startup/shutdown.		

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.1 Source-specific Applicable Requirements

S-2 – Unit 229, B-301 Heater **Federally Future Applicable** Regulation Title or **Effective** Enforceable Requirement Date **Description of Requirement** (Y/N)**BAAOMD** General Provisions and Definitions (5/2/01) Regulation 1 1-521 Monitoring May Be Required Y Particulate Matter and Visible Emissions (12/19/90) **BAAQMD** Regulation 6 6-301 Ringelmann #1 Limitation Y 6-305 Visible Particles Y 6-310.3 Y Particulate Weight Limitation BAAQMD Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Regulation 9, Monoxide from Boilers, Steam Generators, and Process Heaters Rule 10 in Petroleum Refineries (7/17/02) 9-10-301 Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU Y 9-10-301.1 Y ...Start-up/Shutdown Contribution 9-10-301.2 ...Out-of-Service Units Contribution Y 9-10-301.3 Y ...Test-firing on Non-gaseous fuel Contribution 9-10-303 Y Federal Facility-wide NOx emission rate limit 9-10-305 CO emission limit Y 9-10-502 Y Monitoring 9-10-502.1 Y CEMS for NOx, CO, and O2, or equivalent monitoring 9-10-502.2 Fuel flowmeters Y 9-10-504 Recordkeeping Y Y 9-10-504.1 Records 9-10-505 Reporting Y 9-10-601 Determination of NOx Y 9-10-602 Determination of CO and Stack Gas O2 Y 9-10-603 Y Compliance Determination **BAAQMD** Condition 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] N Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Y

Table IV – A.1
Source-specific Applicable Requirements
S-2 – UNIT 229, B-301 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative	Y	
	Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.2 Source-specific Applicable Requirements S-3 – UNIT 230, B-201 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is	Y	
	unavailable for use		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	

38

Table IV – A.2 Source-specific Applicable Requirements S-3 – UNIT 230, B-201 HEATER

Federally **Future Applicable Regulation Title or** Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date 9-10-502.1 CEMS for NOx, CO, and O2, or equivalent monitoring Y 9-10-502.2 Fuel flowmeters Y 9-10-504 Recordkeeping Y 9-10-504.1 Y Records 9-10-505 Reporting Y 9-10-601 Y Determination of NOx 9-10-602 Determination of CO and Stack Gas O2 Y 9-10-603 Y Compliance Determination **BAAQMD** Condition 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] N Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.2b Visible emission monitoring for liquid-fired sources during tube Y 4/1/04 cleaning [Basis: Regulation Regulation 2-6-409.2] Y 4/1/04 Part A.2c Visible emissions monitoring for liquid-fired sources [Basis: Regulation Regulation 2-6-409.2] Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Y Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-Part F.2 Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Y Increase] Part F.3 Monthly fuel firing records [Basis: Recordkeeping] Y

$\label{eq:control_equation} Table\ IV-A.3$ Source-specific Applicable Requirements

S-4 - Unit 231, B-101 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			

Table IV – A.3 Source-specific Applicable Requirements S-4 – Unit 231, B-101 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6	,		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	

$\label{eq:control_equiv} Table\ IV-A.3$ Source-specific Applicable Requirements

S-4 – UNIT 231, B-101 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.4 Source-specific Applicable Requirements

S-5 – UNIT 231, B-102 HEATER

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/021/5/94)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	

Table IV – A.4 Source-specific Applicable Requirements S-5 – UNIT 231, B-102 HEATER

	5-5 ONI 251, B-102 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative	Y	
	Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.5 Source-specific Applicable Requirements

S-7 – UNIT 231, B-103 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		

Table IV – A.5 Source-specific Applicable Requirements S-7 – UNIT 231, B-103 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is unavailable for use	Y	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.6 Source-specific Applicable Requirements S-8 – UNIT 240, B-1 BOILER

	S-8 – UNIT 240, B-1 BOILER		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1		***	
1-520	Continuous Emission Monitoring	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250 MM BTU/hr or more	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		

Table IV – A.6 Source-specific Applicable Requirements

S-8 – UNIT 240, B-1 BOILER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.7 Source-specific Applicable Requirements

S-9 – UNIT 240, B-2 BOILER

	S-7 - UNIT 240, B-2 BOILER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	

Table IV – A.7 Source-specific Applicable Requirements

S-9 – UNIT 240, B-2 BOILER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14	Y	
	[Basis: Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

$\label{eq:control_equation} Table\ IV-A.8$ Source-specific Applicable Requirements

S-10 – UNIT 240, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/11)	Date
Regulation 1	(4.2.00)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			

Table IV – A.8 Source-specific Applicable Requirements S-10 – UNIT 240, B-101 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	_
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

Table IV – A.8
Source-specific Applicable Requirements
S-10 – UNIT 240, B-101 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14	Y	
	[Basis: Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.9 Source-specific Applicable Requirements S-11 – UNIT 240, B-201 HEATER

Federally **Future Effective Applicable** Regulation Title or Enforceable **Description of Requirement** Requirement (Y/N)**Date BAAQMD** General Provisions and Definitions (5/2/01) Regulation 1 1-521 Y Monitoring May Be Required 2-1-403 Y - note 1Permit conditions requiring measurement of emissions BAAQMD Particulate Matter and Visible Emissions (12/19/90) Regulation 6 6-301 Ringelmann #1 Limitation Y 6-305 Visible Particles Y 6-310.3 Particulate Weight Limitation Y Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon **BAAQMD** Regulation 9, Monoxide from Boilers, Steam Generators, and Process Heaters Rule 10 in Petroleum Refineries (7/17/02) 9-10-301 Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU Y 9-10-301.1 ..Start-up/Shutdown Contribution Y 9-10-301.2 ...Out-of-Service Units Contribution Y 9-10-301.3 .. Test-firing on Non-gaseous fuel Contribution Y 9-10-303 Federal Facility-wide NOx emission rate limit Y 9-10-305 CO emission limit Y 9-10-502 Y Monitoring

Table IV – A.9 Source-specific Applicable Requirements

S-11 – UNIT 240, B-201 HEATER

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14	Y	
	[Basis: Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.10 Source-specific Applicable Requirements

S-12 – UNIT 240, B-202 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	

50

Table IV – A.10 Source-specific Applicable Requirements S-12 – UNIT 240, B-202 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14	Y	
	[Basis: Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.11 Source-specific Applicable Requirements

S-13 – UNIT 240, B-301 HEATER

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

Table IV – A.11 Source-specific Applicable Requirements S-13 – UNIT 240, B-301 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V	Land Community of Nitron Original Color		
BAAQMD Degulation 0	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9, Rule 10	Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301	Start-up/Shutdown Contribution	Y	
		Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution		
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring CDMG S NO CO 102	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	

Table IV – A.11 Source-specific Applicable Requirements

S-13 – UNIT 240, B-301 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.12 Source-specific Applicable Requirements

S-14 – UNIT 240, B-401 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	

Table IV – A.12 Source-specific Applicable Requirements

S-14 – Unit 240, B-401 Heater

	S-14 CMI 240, B-401 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			

Table IV – A.12 Source-specific Applicable Requirements S-14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.13
Source-specific Applicable Requirements
S-15 – UNIT 244, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/14)	Date
Regulation 1	(
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	

56

Table IV – A.13 Source-specific Applicable Requirements S-15 – UNIT 244, B-501 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	

Table IV – A.13 Source-specific Applicable Requirements

S-15 – UNIT 244, B-501 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limit for S-15	Y	
Condition			
20989, Part A			

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.14 Source-specific Applicable Requirements

S-16 – UNIT 244, B-502 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	

Table IV – A.14 Source-specific Applicable Requirements

S-16 – UNIT 244, B-502 HEATER

	S-16 – UNIT 244, B-502 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		

Table IV – A.14 Source-specific Applicable Requirements S-16 – UNIT 244, B-502 HEATER

Federally **Future** Applicable Regulation Title or Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date Regulation 9. Monoxide from Boilers, Steam Generators, and Process Heaters Rule 10 in Petroleum Refineries (7/17/02) 9-10-301 Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU Y 9-10-301.1 ...Start-up/Shutdown Contribution Y Y 9-10-301.2 ..Out-of-Service Units Contribution 9-10-301.3 .. Test-firing on Non-gaseous fuel Contribution Y Y 9-10-303 Federal Facility-wide NOx emission rate limit 9-10-305 Y CO emission limit Y 9-10-502 Monitoring 9-10-502.1 CEMS for NOx, CO, and O2, or equivalent monitoring Y 9-10-502.2 Y Fuel flowmeters 9-10-504 Y Recordkeeping Y 9-10-504.1 Records 9-10-505 Reporting Y 9-10-601 Determination of NOx Y 9-10-602 Determination of CO and Stack Gas O2 Y 9-10-603 Compliance Determination Y **BAAQMD** Condition 1694 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] N Part A.1 Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Y Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-Y Part A.5 409.21 **BAAQMD** Throughput limits for S-16 Y Condition 20989, Part A

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.15 Source-specific Applicable Requirements

S-17 – Unit 244, B-503 Heater

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
DAAOMD	Continuous Emission Manitoning Ballery and Breadance (1/20/02)	NT.	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	

Table IV – A.15 Source-specific Applicable Requirements

S-17 – UNIT 244, B-503 HEATER

	S-17 - UNIT 244, D-303 HEATER	F. 1	E 4
A	Deculation Title on	Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
Manual of	Description of Requirement	(1/14)	Date
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
		Y	
9-10-301.1	Start-up/Shutdown Contribution		
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
D. 1.03.55	409.2]	77	
BAAQMD	Throughput limits for S-17	Y	
Condition			
20989, Part A			

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.16 Source-specific Applicable Requirements

S-18 – UNIT 244, B-504 HEATER

	S-18 – UNIT 244, B-504 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	

Table IV – A.16 Source-specific Applicable Requirements S-18 – UNIT 244, B-504 HEATER

Federally **Future Applicable** Regulation Title or Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date 6-305 Visible Particles Y 6-310.3 Y Particulate Weight Limitation Continuous Emission Monitoring Policy and Procedures (1/20/82) **BAAQMD** Ν Manual of Procedures, Volume V **BAAQMD** Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Regulation 9, Monoxide from Boilers, Steam Generators, and Process Heaters Rule 10 in Petroleum Refineries (7/17/02) 9-10-301 Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU Y 9-10-301.1 ...Start-up/Shutdown Contribution Y 9-10-301.2 ...Out-of-Service Units Contribution Y 9-10-301.3 Y ...Test-firing on Non-gaseous fuel Contribution 9-10-303 Federal Facility-wide NOx emission rate limit Y 9-10-305 CO emission limit Y 9-10-502 Y Monitoring 9-10-502.1 CEMS for NOx, CO, and O2, or equivalent monitoring Y 9-10-502.2 Fuel flowmeters Y 9-10-504 Recordkeeping Y 9-10-504.1 Records Y 9-10-505 Reporting Y 9-10-601 Determination of NOx Y 9-10-602 Determination of CO and Stack Gas O2 Y 9-10-603 Y Compliance Determination **BAAQMD** Condition 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] Ν Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Y Y Part A.4 SO2 emission limit [Basis: SO2 Bubble] Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-Y

Table IV – A.16 Source-specific Applicable Requirements

S-18 - UNIT 244, B-504 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	409.2]		
BAAQMD	Throughput limits for S-18	Y	
Condition			
20989, Part A			

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.17 Source-specific Applicable Requirements

S-19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	

Table IV – A.17 Source-specific Applicable Requirements

S-19 – UNIT 244, B-505 HEATER

	S-19 – UNIT 244, B-505 HEATER	1	
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	

Table IV – A.17 Source-specific Applicable Requirements

S-19 – UNIT 244, B-505 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-19	Y	
Condition			
20989, Part A			

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.18 Source-specific Applicable Requirements

S-20 – UNIT 244, B-506 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		

Table IV – A.18 Source-specific Applicable Requirements S-20 – UNIT 244, B-506 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	Dutt
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-20	Y	
Condition			
20989, Part A			

Table IV – A.19 Source-specific Applicable Requirements

S-21 – UNIT 244, B-507 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and	Y	
	capable of firing fuel other than natural gas or LPG		
9-10-217	Definition: Small Unit: Between 1 and 10 MMBTU/hr and capable of	Y	
	firing fuel other than natural gas or LPG		
9-10-306	Small Unit Requirments	Y	
9-10-306.2	Small Unit Requirments: Tune-up at least every 12 months, or within	Y	
	two weeks of start-up if not operated in the last 12 months		
9-10-605	Tune-up Procedures	Y	
9-10-504	Recordkeeping	Y	
9-10-504.2	Records	Y	
9-10-505	Reporting	Y	
9-10-505.1	Excess Emission Reporting	Y	
9-10-505.2.2	Excess Emission Report Contents	Y	
	-		
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S-21	Y	
Condition			
20989, Part A			

Table IV – A.20 Source-specific Applicable Requirements

S-22 – UNIT 248, B-606 HEATER

	S-22 - UNII 240, D-000 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

Table IV – A.20 Source-specific Applicable Requirements S-22 – UNIT 248, B-606 HEATER

Federally Future Applicable **Regulation Title or** Enforceable Effective Requirement **Description of Requirement** (Y/N)Date Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-Y 409.2] BAAQMD Throughput limits for S-22 Y Condition 20989, Part A

Table IV – A.21 Source-specific Applicable Requirements

S-29 – UNIT 200, B-5 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	

Table IV – A.21 Source-specific Applicable Requirements

S-29 – UNIT 200, B-5 HEATER

	S 25 CHI 200, D 3 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S-29	Y	
Condition			
20989, Part A			

Table IV – A.22 Source-specific Applicable Requirements

S-30 – UNIT 200, B-101 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		

Table IV – A.22 Source-specific Applicable Requirements S-30 – UNIT 200, B-101 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-30	Y	
Condition			
20989, Part A			

Table IV – A.23 Source-specific Applicable Requirements

S-31 – UNIT 200, B-501 HEATER

	S-31 – UNIT 200, B-501 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

Table IV – A.23 Source-specific Applicable Requirements

S-31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-31	Y	

Table IV – A.24 Source-specific Applicable Requirements

S-43 – UNIT 200, B-202 HEATER

	5-45 - UNII 200, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			

Table IV – A.24 Source-specific Applicable Requirements

S-43 – UNIT 200, B-202 HEATER

	S-45 – UNIT 200, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	

Table IV – A.24 Source-specific Applicable Requirements S-43 – UNIT 200, B-202 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS 40 CFR 60	Standards of Performance for Petroleum Refineries (7/1/00)		
Subpart J	A P 177	37	
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii	Excess H2S emission definitions for 60.7(c)	Y	
)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	

Table IV – A.24 Source-specific Applicable Requirements S-43 – UNIT 200, B-202 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.1	S-43 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.2	S-43, S-44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S-43, S-44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition	Throughput limits for source S-43	Y	
20989, Part A			

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.25 Source-specific Applicable Requirements

S-44 – UNIT 200, B-201 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(' ')	
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	

Table IV – A.25 Source-specific Applicable Requirements S-44 – UNIT 200, B-201 HEATER

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	

Table IV – A.25 Source-specific Applicable Requirements

S-44 – UNIT 200, B-201 HEATER

	S-44 - UNII 200, B-201 HEATER	I I	
	D. 1.4 MI	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD			
Condition			

Table IV – A.25 Source-specific Applicable Requirements S-44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.2	S-43, S-44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S-43, S-44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	Throughput limits for source S-44	Y	
Condition			
20989, Part A			

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.26 Source-specific Applicable Requirements S-50, S-51, S-52 – TURBINE STARTUP ENGINES

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	

Table IV – A.26 Source-specific Applicable Requirements S-50, S-51, S-52 – TURBINE STARTUP ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 8	Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/01)		
9-8-111.1	Exemptions: Engines rated at or below 1000 brake horsepower which operate less than 200 hours in any 12-consecutive month period are only subject to recordkeeping	Y	
9-8-502 BAAQMD Condition 19488	Recordkeeping	Y	
Part 1	100 hr/yr operating limit per engine [Basis: Cumulative increase]	Y	
Part 2	Operating hour records [Basis: Regulation 9-8-502]	Y	

Table IV – A.27 Source-specific Applicable Requirements

S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

	, 5-54, 5-55, 5-50, 5-57, 5-50, 5-57 - EMERGENCI D	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9,	Internal Combustion Engines (8/1/01)		
Rule 8			
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD			

Table IV – A.27 Source-specific Applicable Requirements

S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition			
19488			
Part 3	100 hr/yr operating limit per engine (non-emergency) [Basis: Regulation 9-8-330]	Y	
Part 6	Monitoring [Basis: Regulation 9-8-530]	Y	
Part 7	Operating hour records [Basis: Regulation 9-8-530]	Y	

Table IV – A.28 Source-specific Applicable Requirements

S-336 – UNIT 231, B-104 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	

Table IV – A.28 Source-specific Applicable Requirements S-336 – UNIT 231, B-104 HEATER

Annlicable	Deculation Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
9-10-504.1	Records	Y	Date
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of NOX Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)	1	
40 CFR 60	Standards of Ferror mance for Ferroreum Remieries (7/1/00)		
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at	Y	
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
(.,,()	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for source S-336	Y	
Condition			

Table IV – A.28 Source-specific Applicable Requirements

S-336 – UNIT 231, B-104 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
20989, Part A			

Table IV – A.29 Source-specific Applicable Requirements

S-337 – UNIT 231, B-105 HEATER

	5-557 - UNIT 251, B-105 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	

Table IV – A.29 Source-specific Applicable Requirements S-337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-337	Y	

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.30 Source-specific Applicable Requirements

S-351 – UNIT 267, B-601/602 HEATERS

	S-351 - UNIT 267, B-601/602 HEATERS	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

Table IV – A.30 Source-specific Applicable Requirements S-351 – UNIT 267, B-601/602 HEATERS

	S 531 CHI 201, D 001/002 HEATERS	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	

Table IV – A.30 Source-specific Applicable Requirements S-351 – UNIT 267, B-601/602 HEATERS

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part B.1	S-351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S-351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	
Part B.3	S-351 NOx, O2 CEM requirement [Basis: BACT, Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for source S-351	Y	
Condition			
20989, Part A			

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.31 Source-specific Applicable Requirements

S-371 – UNIT 228, B-520 FURNACE

	S-3/1 – UNIT 228, B-520 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

Table IV – A.31 Source-specific Applicable Requirements S-371 – UNIT 228, B-520 FURNACE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		

Table IV – A.31 Source-specific Applicable Requirements S-371 – UNIT 228, B-520 FURNACE

Federally **Future Applicable Regulation Title or** Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date 60.105(e)(3)(ii) Excess H2S emission definitions for 60.7(c) Y Test methods and procedures 60.106(a) Y 60.106(e)(1)Method 11 shall be used to verify compliance with 60.104(a)(1) Y **NSPS** Y Appendix A to Part 60 - Test Methods 40 CFR 60 Appendix A NSPS Performance Specifications 40 CFR 60 Appendix B Y Performance H2S continuous emission monitoring systems Specification 7 **NSPS Quality Assurance Procedures** 40 CFR 60 Appendix F Procedure 1 QA requirements for gas continuous emission monitoring systems Y **BAAQMD** Condition 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] N Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Part A.5 Y Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.21 Part C.1 Y S-371, S-372 abatement requirement [Basis: BACT, Cumulative Part C.2 S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Y Increase Y Part C.3 S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase] **BAAQMD** Throughput limits for source S-371 Y Condition 20989, Part A

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must

Y

IV. Source Specific Applicable Requirements

comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.32 **Source-specific Applicable Requirements**

S-372 – Unit 228, B-521 Furnace Federally **Future** Applicable Regulation Title or Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date **BAAQMD** General Provisions and Definitions (5/2/01) Regulation 1 1-107 Y Combination of Emissions 1-520 Y Continuous Emission Monitoring 1-520.8 Y Monitors pursuant to Regulation 2-1-403 1-521 Monitoring May Be Required Y 1-522 Continuous Emission Monitoring and Recordkeeping Procedures N 1-522.4 Y reporting of inoperative CEMs 1-522.5 Y CEM calibration requirements Y 1-522.6 CEM accuracy requirements 1-522.7 emission limit exceedance reporting requirements Ν 1-522.8 Y monitoring data submittal requirements 1-522.9 Y recordkeeping requirements Y 1-522.10 Regulation 1-521 monitors shall meet requirements specified by 1-602 Area and Continuous Monitoring Requirements N SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 1 General Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring and Recordkeeping Procedures Y - note 11-522.7 emission limit exceedance reporting requirements Y - note 1 **BAAOMD** Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; Regulation 2, SIP approved 1/26/99 {adopted 11/01/89}) Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99 {adopted 11/01/89}) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1BAAQMD Particulate Matter and Visible Emissions (12/19/90) Regulation 6 6-301

Ringelmann #1 Limitation

Table IV – A.32 Source-specific Applicable Requirements S-372 – UNIT 228, B-521 FURNACE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	Start-up/Shutdown Contribution	Y	
9-10-301.2	Out-of-Service Units Contribution	Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Y	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		

Table IV – A.32 Source-specific Applicable Requirements S-372 – UNIT 228, B-521 FURNACE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
(0.105(.)(0)(!!)	monitors as required by 60.105(a)(3))	37	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S-371, S-372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	Throughput limits for source S-372	Y	
Condition			
20989, Part A			

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.33 Source-specific Applicable Requirements

S-438 – UNIT 110, H-1 FURNACE

	S-450 UNIT ITO, II-I FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2, Rule 1	SIP approved 1/26/99 {adopted 11/01/89})		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	

Table IV – A.33 Source-specific Applicable Requirements

S-438 – Unit 110, H-1 Furnace

	S 100 CHITTIN, IT TTORINGE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	N	
Manual of			
Procedures,			
Volume V			
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD			
Condition			

Y

IV. Source Specific Applicable Requirements

Part E.6

Table IV – A.33 Source-specific Applicable Requirements S-438 – Unit 110, H-1 Furnace

Federally Future **Applicable Regulation Title or** Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] N Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-Y 409.2] Part E.1 S-438 abatement requirement [Basis: BACT, Cumulative Increase] Y Part E.2 S-438 annual firing limit [Basis: Cumulative Increase] Y Part E.3 S-438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Y Increase] Part E.4 S-438 NOx and CO emission limits [Basis: BACT, Cumulative Y Increase] Part E.5 S-438 fuel gas TRS limit [Basis: BACT, Cumulative Increase] Y

S-438 Records [Basis: Recordkeeping]

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – B
Source-specific Applicable Requirements
S-400 WET WEATHER WASTEWATER SUMP
S-401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Standards of Performance for VOC Emissions from Petroleum	(1/14)	Date
40 CFR 60	Refinery Wastewater Systems		
Subpart	remery wasternater systems		
QQQ			
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities	Y	
	constructed, modified, or reconstructed after May 4, 1987		
60.690(a)(2)	Wastewater sumps are considered part of an individual drain system	Y	
	which is a separate affected facility		
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of	Y	
	startup, shutdown, or malfunction		
60.692-1(b)	Determine compliance through review of records and reports,	Y	
	performance test results, and inspections		
60.692-2	Wastewater sumps in the wastewater process sewer line shall not be	Y	
(c)(1)	open to the atmosphere and shall be covered or enclosed in a manner		
	with no visible gaps or cracks in joints, seals.		
60.692-2	The portion of each unburied wastewater sump in the wastewater	Y	
(c)(2)	process sewer line shall be visually inspected semiannually for		
	indication of cracks, gaps, or other problems that could result in		
	VOC emissions		
60.692-2	Whenever cracks, gaps, or other problems are detected, repairs shall	Y	
(c)(3)	be made as soon as practicable, but not later than 15 calendar days		
	after identification, except as provided in 60.692-6.		
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible	Y	
	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next	Y	
	refinery or process unit shutdown.		
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
	provisions of Subpart QQQ.		
60.697(b)(3)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-2(c) when a problem is identified that could		
	result in VOC emissions.		
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a	Y	
	process unit shutdown, record the expected date of a successful		
	repair.		

Table IV – B Source-specific Applicable Requirements S-400 WET WEATHER WASTEWATER SUMP S-401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	
BAAQMD Condition 1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for sources S-400, S-401	Y	
Condition			
20989, Part			
A			

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	Wastewater (Oil-Water) Separator (6/15/94)	N	
8-8-113	Exemption, secondary wastewater treatment processes and storm water sewer systems	Y	
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-302	Wastewater separators rated capacity larger than or equal to 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	Y	
8-8-302.1	a solid, vapor-tight, full contact fixed cover which totally encloses the separator tank, chamber, or basin liquid contents, with all cover openings closed and sealed, except when the opening is being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-306	Wastewater separator effluent channels rated capacity larger than or equal to 25.2 liters per second (400 gal/min) must be equipped with one of the following:	Y	
8-8-306.1	a solid, gasketed, fixed cover total enclosing the oil-water separator effluent channel liquid contents, with all cover openings closed, except when being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	Y	
8-8-503	Maintain records for semiannual gap inspections, closure requirements, and repairs for oil-water separator effluent channel fixed roof seals, access doors, and other openings.	Y	
NSPS	Standards of Performance for VOC Emissions from Petroleum	N	
40 CFR 60	Refinery Wastewater Systems		
Subpart			
QQQ			
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(3)	An oil-water separator is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports,	Y	

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	performance test results, and inspections		
60.692-3	Standards: Oil-water separators.	Y	
60.692-3 (a)	Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped and operated with a fixed roof which meets the following specifications:	Y	
60.692-3 (a)(1)	The fixed roof shall completely cover the separator tank, slop oil tank, storage vessel or other auxiliary equipment.	Y	
60.692-3 (a)(2)	The vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.	Y	
60.692-3 (a)(3)	Roof access doors or openings shall be gasketed, latched, and kept closed during operation, except during inspection and maintenance.	Y	
60.692-3 (a)(4)	Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter.	Y	
60.692-3 (a)(5)	When a broken seal or gasket or other problem is identified repairs shall be attempted as soon as practicable, but no later than 15 days later.	Y	
60.692-3 (e)	Slop oil from an oil-water separator and oily wastewater from slop oil handling equipment shall be collected, stored, transported, recycled, reused, or disposed of in an enclosed system.	Y	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.693-2	Alternative standards for oil-water separators.	Y	
60.693-2(a)	An owner or operator may elect to construct and operate a floating roof on an oil-water separator subject to Subpart QQQ.	Y	
60.693- 2(a)(2)	Each opening in the roof shall be equipped with a gasketed cover, seal, or lid, which shall be maintained in a closed position at all times, except during inspection and maintenance.	Y	
60.693-	Access doors and other openings shall be visually inspected	Y	
2(a)(5)(i)	semiannually to ensure that there is a tight fit around the edges and to identify other problems that could result in VOC emissions.		
60.693- 2(a)(5)(ii)	When a broken seal or gasket on an access door or other opening is identified, it shall be repaired as soon as practicable, but not later than 30 calendar days after discovery, except as provided in 60.692-6.	Y	
60.693-2(c)	For portions of the oil-water separator where it is infeasible to	Y	

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

	5-324 ATT OIL/ WASTEWATER SEPARATO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
.,,	construct and operate a floating roof, a fixed roof meeting the		
	requirements of 60.692-3(a) shall be installed.		
60.693-2(d)	Except as provided in 60.693-2(c), if an owner or operator elects to	Y	
_(0)	comply with the alternative standards of 60.693-2, then the owner or	_	
	operator does not need to comply with the provisions of 60.692-3 or		
	60.694 applicable to the same facilities.		
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
()	provisions of Subpart QQQ.		
60.697(c)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-3(a) when a problem is identified that could result		
	in VOC emissions.		
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process	Y	
	unit shutdown, record the expected date of a successful repair.		
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if	Y	
	an emission point or equipment problem is not repaired or corrected		
	in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown		
	shall be recorded.		
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	
	with the provisions of this subpart shall be kept for the life of the		
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be	Y	
	kept.		
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	Y	
	the required inspection have been carried out in accordance with		
	Subpart QQQ standards.		
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	
	all inspections when cracks, gaps, or other problems that could result		
	in VOC emissions are identified, including information about the		
	repairs or corrective actions taken		

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable	Degulation Title or	Federally Enforceable	Future Effective
Applicable	Regulation Title or		
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	No detectable VOC from doors, hatches, covers or other openings	Y	
	[Basis: Cumulative Increase]		
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for source S-324	Y	
Condition			
20989, Part			
A			

Table IV – D
Source-specific Applicable Requirements
S-1007 DISSOLVED AIR FLOTATION UNIT

5-1007 DISSOLVED AIR FLOTATION UNIT			
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater (Oil-Water) Separator	N	
Regulation 8,			
Rule 8			
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit	Y	
	flocculation sump, basin, chamber or tank with a maximum		
	allowable capacity greater than 400 gals/min unless is equipped with		
	one of the following:		
8-8-307.1	a solid, gasketed, fixed cover totally enclosing the vessel liquid	Y	
	contents, with all cover openings closed, except for inspection,		
	maintenance, or wastewater sampling. The cover may include an		
	atmospheric vent or a pressure/vacuum valve. Also includes gap		
	inspection frequency and limits.		
8-8-503	Maintain records for semiannual gap inspections, closure	Y	
	requirements, and repairs for oil-water separator effluent channel		

Table IV – D Source-specific Applicable Requirements S-1007 DISSOLVED AIR FLOTATION UNIT

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	fixed roof seals, access doors, and other openings.		
BAAQMD			
Condition			
1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for S-1007	Y	
Condition			
20989, Part			
A			

Table IV - E Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS

S-381 AERATION TANK F-201 S-382 AERATION TANK F-202 S-383 CLARIFIER F-203 S-384 CLARIFIER F-204

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for sources S-381, S-382, S-383, S-384	Y	
Condition			
20989, Part			
A			

Table IV - F Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS

S-1008 PRIMARY STORMWATER BASIN S-1009 MAIN STORMWATER BASIN

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater (Oil-Water) Separator (6/15/94)	N	
Regulation 8,			
Rule 8			
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records:	Y	
	record requirements for water which bypasses normal treatment and		
	is diverted to S-1008, S-1009		
BAAQMD			
Condition			
1440			
Part 2	Minimize diversion of wastewater to S-1008, S-1009 [Basis:	Y	
	Cumulative Increase]		
Part 3	Records of wastewater diversions to S-1008, S-1009 [Basis:	Y	
	Cumulative Increase]		
BAAQMD	Throughput limits for sources S-1008, S-1009	Y	
Condition			
20989, Part			
A			

Table IV – G

Source-specific Applicable Requirements – Miscellaneous Wastewater Sources Subject to Condition 1440

S-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207 S-386 – PAC REGENERATION SLUDGE THICKENER F-211 S-387 – WET AIR REGENERATION SYSTEM P-202 S-390 – THICKENED SLUDGE STORAGE F-106 S-392 – REGENERATED PAC SLURRY STORAGE F-266

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for sources S-385, S-386, S-387, S-390, S-392	Y	
Condition			
20989, Part			
A			

Table IV - H Source-specific Applicable Requirements WASTEWATER JUNCTION BOXES

	WASTEWATER JUNCTION BOXES	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater (Oil-Water) Separator (6/15/94)	N	Date
Regulation 8,	wastewater (On-water) Separator (0/13/94)	14	
Rule 8			
	Junatian Day, againmed with aither a golid goalsated fixed again	V	
8-8-308	Junction Box: equipped with either a solid, gasketed, fixed cover	Y	
	totally enclosing the junction box or a solid manhole cover. May include openings in the covers and vent pipes if the total open area		
	of the junction box does not exceed 12.6 square inches and all vent		
NCDC	pipes are at least 3 feet in length.	N T	
NSPS	Standards of Performance for VOC Emissions from Petroleum	N	
40 CFR 60	Refinery Wastewater Systems		
Subpart	[APPLIES ONLY TO J-BOXES DOWNSTREAM OF S-400, S-		
QQQ	401 SUMPS]		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities	Y	
	constructed, modified, or reconstructed after May 4, 1987		
60.690(a)(2)	Wastewater junction boxes are considered part of an individual drain	Y	
	system which is a separate affected facility		
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of	Y	
	startup, shutdown, or malfunction		
60.692-1(b)	Determine compliance through review of records and reports,	Y	
	performance test results, and inspections		
60.692-2	Junction boxes shall be equipped with a cover and may have an open	Y	
(b)(1)	vent pipe which is at least 3 feet in length and does not exceed 4		
	inches in diameter.		
60.692-2	Junction box covers shall have a tight seal around the edge and shall	Y	
(b)(2)	be kept in place at all times, except during inspection and		
	maintenance.		
60.692-2	Junction box shall be visually inspected semiannually to ensure that	Y	
(b)(3)	the cover is in place and to ensure that the cover has a tight seal		
	around the edge.		
60.692-2	If a broken seal or gap is identified, first effort at repair shall be ade	Y	
(b)(4)	as soon as practicable, but not later than 15 calendar days after the		
	broken seal or gap is identified, except as provided in 60.692-6.		
60.692-2 (e)	Refinery wastewater routed through new process drains and a new	Y	
	first common downstream junction box, shall not be routed through		
	a downstream catch basin.		
	+		

Table IV - H Source-specific Applicable Requirements WASTEWATER JUNCTION BOXES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(2)	Record the location, date, and corrective action for inspections required by 60.692-2(b) when a broken seal, gap or other problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES – S-324 OIL/WATER SEPARATOR
ONLY

	01,21		_
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS	Standards of Performance for VOC Emissions from Petroleum		
40 CFR 60	Refinery Wastewater Systems		
Subpart			
QQQ			
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities	Y	
	constructed, modified, or reconstructed after May 4, 1987		
60.690(a)(2)	Wastewater process sewer lines are considered part of an individual	Y	
	drain system which is a separate affected facility		
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of	Y	
	startup, shutdown, or malfunction		
60.692-1(b)	Determine compliance through review of records and reports,	Y	
	performance test results, and inspections		
60.692-2	Sewer lines shall not be open to the atmosphere and shall be covered	Y	
(c)(1)	or enclosed in a manner with no visible gaps or cracks in joints,		
	seals.		
60.692-2	The portion of each unburied sewer line shall be visually inspected	Y	
(c)(2)	semiannually for indication of cracks, gaps, or other problems that		
	could result in VOC emissions		
60.692-2	Whenever cracks, gaps, or other problems are detected, repairs shall	Y	
(c)(3)	be made as soon as practicable, but not later than 15 calendar days		
	after identification, except as provided in 60.692-6.		
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible	Y	
	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next	Y	
	refinery or process unit shutdown.		
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
	provisions of Subpart QQQ.		
60.697(b)(3)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-2(c) when a problem is identified that could		
	result in VOC emissions.		
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a	Y	
	process unit shutdown, record the expected date of a successful		
	repair.		
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if	Y	
. , , ,	an emission point or equipment problem is not repaired or corrected		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ı

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES – S-324 OIL/WATER SEPARATOR
ONLY

UNLI			
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown		
	shall be recorded.		
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	
	with the provisions of this subpart shall be kept for the life of the		
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be	Y	
	kept.		
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	Y	
	the required inspections have been carried out in accordance with		
	Subpart QQQ standards.		
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	
	all inspections when cracks, gaps, or other problems that could result		
	in VOC emissions are identified, including information about the		
	repairs or corrective actions taken		

Table IV - J
Source-specific Applicable Requirements
WASTEWATER GAUGING AND SAMPLING DEVICES

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater (Oil-Water) Separator (6/15/94)		
Regulation 8,			
Rule 8			
8-8-303	Gauging and Sampling Devices: Any compartment or access hatch	Y	
	shall have a vapor tight cover, seal, or lid that is closed, except for inspection, maintenance, or wastewater sampling.		
8-8-603	Vapor tight inspections shall be conducted using a portable gas	Y	
	detector as prescribed in EPA Reference Method 21 (40 CFR 60,		
	Appendix A).		

Table IV - K Source-specific Applicable Requirements

S-294 – Non-Retail Gasoline Dispensing Facility

	S-294 – NON-RETAIL GASOLINE DISPENSING F	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Regulation 8,	Organic Compounds - Gasoline Dispensing Facilities (11/6/02)		
Rule 7			
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers	Y	
	Guidelines or CARB Executive Order		
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppetted Drybreaks	Y	
8-7-301.8	No Coaxial Phase 1 Systems on New and Modified Tanks	Y	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	Y	
8-7-301.10	System Vapor Recovery Rate	Y	
8-7-301.11	CARB-Certified Spill Box	Y	
8-7-301.12	Drain Valve Permanently Plugged	Y	
8-7-301.13	Annual Phase I testing	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.13	Spitting Limit	YN	

Table IV - K Source-specific Applicable Requirements

S-294 – NON-RETAIL GASOLINE DISPENSING FACILITY

	S-274 - NON-RETAIL GASOLINE DISPENSING P	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-7-302.14	Annual balance Phase II backpressure test	Y	
8-7-302.15	Annual vacuum assist Phase II test	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD	Gasoline throughput shall not exceed 400,000 gallons in any	N	
Condition	consecutive 12-month period. [Basis: Toxic Risk Policy]		
7523			
BAAQMD	Throughput limits for S-294	Y	
Condition			
20989, Part			
A			
BAAQMD			
Condition			
7523		_	
Part 1	Operation and maintenance standards for vapor recovery system	N	
2	(CARB Executive Order VR-101)		
Part 2	36-month testing requirement	N	

Table IV - L Source-specific Applicable Requirements

S-296 – C-1 FLARE S-398 – MP-30 FLARE

	3-370 - WII -30 FLARE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation			
12-11			
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	6/4/04
12-11-501	Vent Gas Flow Monitoring	N	12/4/04
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	03/4/04
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	12/4/03
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60	[S-398 ONLY]		
Subpart J			
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit	Y	
BAAQMD			
Condition			
18255			
Part 1	Inspection of flare after venting [basis: Regulation 2-6-409.2]	Y	6/1/04
Part 2	Exemption for Process Upset Gases	Y	
Part 3	Recordkeeping [basis: Regulation 2-6-401]	Y	6/1/04

Table IV - M Source-specific Applicable Requirements S-300 - U-200 DELAYED COKER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD			
Condition			
476			
Part A.1-A.5	Definitions [Basis: Definitions]	Y	
Part B.1	Raw material throughput limits [Basis: Cumulative Increase]	Y	
Part C.1	Recordkeeping requirements [Basis: BACT, Cumulative Increase]	Y	
Part C.2.a	Reporting requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.1	Verification of compliance with records [BACT, Cumulative	Y	
	Increase]		

Table IV - N

Source-specific Applicable Requirements – Process Vessels

S-304 – U-229 MID-BARREL UNIONFINING UNIT

S-305 - U-230 Prefractionator / Naphtha Hydrotreater

S-306 - U-231 PLATFORMING UNIT

S-307 - U-240 UNICRACKING UNIT

S-308 – U-244 REFORMING UNIT

S-309 – U-248 UNISAR UNIT

S-318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT

S-319 – U-215 GASOLINE FRACTIONATING UNIT

S-322 - U-40 RAW MATERIALS RECEIVING

S-435 – REFORMATE SPLITTER

S-436 – DEISOPENTANIZER

S-437 – HYDROGEN PLANT

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Miscellaneous Operations (6/15/94)		
Regulation 8,			
Rule 2	APPLICABLE TO S-307 ONLY		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and	Y	
	300 ppm carbon on a dry basis		
BAAQMD	Organic Compound – Vacuum Producing Systems (7/20/83)		
Regulation 8,			
Rule 9			
8-9-301	Vacuum Producing System POC emissions must be controlled by	Y	
	combustion or venting to fuel gas systems		
8-9-601	Determination of Emissions	Y	
BAAQMD	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		

Table IV - N

Source-specific Applicable Requirements – Process Vessels

S-304 – U-229 MID-BARREL UNIONFINING UNIT

S-305 - U-230 Prefractionator / Naphtha Hydrotreater

S-306 - U-231 PLATFORMING UNIT

S-307 - U-240 UNICRACKING UNIT

S-308 – U-244 REFORMING UNIT

S-309 – U-248 UNISAR UNIT

S-318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT

S-319 – U-215 GASOLINE FRACTIONATING UNIT

S-322 - U-40 RAW MATERIALS RECEIVING

S-435 – REFORMATE SPLITTER

S-436 – DEISOPENTANIZER

S-437 – HYDROGEN PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition			
6671	APPLICABLE TO S-307 ONLY		
Part 1	Abatement requirement for E-421 condenser vent at A-50 scrubber [Basis: Regulation 8-2-301]	Y	
Part 2	Efficiency requirement for A-50 scrubber raw material throughput [Basis: Regulation 8-2-301]	Y	
Part 3	Requirement to treat A-50 blowdown at wastewater treatment plant [Basis: Cumulative Increase]	Y	
Part 4	Daily A-50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20620	[APPLIES TO S-307 AND S-308 ONLY]		
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	10/11/04
Part 2	Submittal requirement for Startup, Shutdown, and Malfunction Plan	Y	4/11/05
40 CFR 63 Subpart	National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic	Y	Notification by 8/9/02;
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02) [APPLIES TO S-307 AND S-308 ONLY]		compliance by 4/11/05

Table IV - N

Source-specific Applicable Requirements – Process Vessels

S-304 – U-229 MID-BARREL UNIONFINING UNIT

S-305 - U-230 Prefractionator / Naphtha Hydrotreater

S-306 - U-231 PLATFORMING UNIT

S-307 - U-240 UNICRACKING UNIT

S-308 – U-244 REFORMING UNIT

S-309 – U-248 UNISAR UNIT

S-318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT

S-319 – U-215 GASOLINE FRACTIONATING UNIT

S-322 - U-40 RAW MATERIALS RECEIVING

S-435 – REFORMATE SPLITTER

S-436 – DEISOPENTANIZER

S-437 – HYDROGEN PLANT

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Throughput limits for S-304, S-305, S-306, S-307, S-435, S-436, S-	Y	
Condition	437		
20989, Part			
A			
BAAQMD	Throughput limits for S-308, S-309, S-318, S-319	N	
Condition			
20989, Part			
A			

Table IV - O Source-specific Applicable Requirements

S-350 – U-267 CRUDE DISTILLATION UNIT

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Vacuum Producing Systems (7/20/83)		
Regulation 8,			
Rule 9			
8-9-301	Vacuum Producing System POC emissions must be controlled by	Y	
	combustion or venting to fuel gas systems		
8-9-601	Determination of Emissions	Y	
BAAQMD	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			

Table IV - O Source-specific Applicable Requirements S-350 - U-267 CRUDE DISTILLATION UNIT

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD			
Condition			
383			
Part 1a	Sulfur content limit in crude [Basis: Cumulative Increase]	Y	
Part 1b	Daily crude analysis requirement [Basis: Cumulative Increase]	Y	4/1/04
Part 2	Daily, average daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Monthly recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative	Y	4/1/04
	Increase]		

Table IV - P Source-specific Applicable Requirements

S-432 – U-215 DEISOBUTANIZER

	S 102 C 213 DEISOBOTANZER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Process Vessel Depressurization (7/20/83)	,	
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD			
Condition			
6725			
Part 1	Flange, valve design requirements [Basis: Cumulative Increase]	Y	
Part 2	Vent collection requirement for relief valves [Basis: Cumulative	Y	
	Increase]		
Part 3	Pump, compressor design requirements [Basis: Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for S-432	Y	
Condition			
20989, Part			
A			

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	N	
Manual of	(1/20/82)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary		
Regulation 9,	Gas Turbines (9/21/94)		
Rule 9			
9-9-113	Exemption - Inspection/Maintenance	Y	
9-9-114	Exemption - Startup/Shutdown	Y	
9-9-301	Emission Limits – General	Y	
9-9-301.3	Emission Limits	Y	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	
9-9-600	Manual of Procedures	Y	
9-9-601	NOx emissions: Manual of Procedures, Vol. IV, ST-13A or B	Y	
9-9-602	Oxygen emissions: Manual of Procedures, Vol. IV, ST-14	Y	
9-9-603	CEM: Manual of Procedures, Volume V	Y	
9-9-604	Determination of HHV and LHV	Y	
NSPS	Standards of Performance for Petroleum Refineries (10/2/90)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Subpart GG	Standards of Performance for Stationary Gas Turbines (1/27/82)		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMBTU/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	
60.334(b)	Fuel Sulfur Content	Y	
60.334(c)(2)	Excess Emissions – SO2	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis:	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	BACT, Cumulative Increase]		
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
	Reporting requirement for refinery fuel gas total reduced sulfur	Y	
Part 13	measurements [Basis: Cumulative Increase]		
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	4/1/04
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified		
Condition 18629	5/26/89. The basis for each section is PSD.		
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MM BTU/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part	total sulfur concentration in each fuel gas sample	Y	
IX.G.3.a.(1)			
Part	daily average sulfur content in fuel gas, daily average SO2 mass	Y	
IX.G.3.a.(2)	emission rate, total ton/yr of SO2		
Part IX.G.3.b	excess SO2 emissions	Y	
Part IX.G.3.c	excess SO2 emissions during startups, shutdowns and	Y	
	malfunctions		
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

	S-357 – SUPPLEMENTAL DUCT BURNERS FO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – Supplemental Duct Burners for S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	N	
Manual of	(1/20/82)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
NSPS	Standards of Performance for Industrial-Commercial-		
40 CFR 60	Institutional Steam Generating Units (3/13/00)		
Subpart Db			
60.40b(a)	Applicability	Y	
60.40b(c)	Affected facilities subject to Subpart J are subject to PM and NOx	Y	
	standards in Subpart Db and SO2 standards in Subpart J		
60.40b(f)	Modification for the sole purpose of combusting gases containing	Y	
	TRS is not a modification		
60.40b(j)	Units subject to Subpart Db are not subject to Subpart D	Y	
60.44b(a)	NOx Standard	Y	
60.44b(a)(4)(i)	NOx standard for duct burner used in combined cycle system for	Y	
	natural gas-firing only conditions		
60.44b(e)	NOx standard for refinery-produced byproduct (i.e., fuel gas) with	Y	
	oil or natural gas combustion.		
60.44b(f)	NOx standard for refinery-produced byproduct with oil or natural	Y	
	gas combustion may be determined on a case-by-case basis (based		
	on 25 ppmv NOx standard for PSD Permit Condition 18629, Part		
	IX.E).		
60.44b(h)	NOx standard applicable at all times	Y	
60.44b(i)	30-day rolling average	Y	
60.46b	Compliance/Performance test Methods for NOx	Y	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – Supplemental Duct Burners for S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.46b(b)	NOx standard applicable at all times	(1/11)	Date
60.48b	Emission Monitoring for NOx		
60.48b(b)(1)	Install, calibrate, and operate CEM and record output for measuring NOx discharges	Y	
60.48b(c)	Record data during all periods of operation of CEM except during breakdown and repairs	Y	
60.48b(d)	Continuous NOx monitors measure 1-hr average emission rates	Y	
60.48b(e)	Complies with 60.13	Y	
60.48b(e)(2)	Span values for NOx	Y	
60.48b(e)(3)	Span values for NOx rounded to nearest 500 ppm	Y	
60.48b(f)	Standby monitoring system and test methods	Y	
60.48b(g)	NOx CEM requirements for units with 250 MM BTU/hr heat input capacity or less	Y	
60.48b(g)(1)	NOx CEM requirements for units with 250 MM BTU/hr heat input capacity or less	Y	
60.48b(h)	NOx CEM not required if subject to §60.44b(a)(4) for natural gas firing-only conditions	Y	
60.49b	Reporting and Recordkeeping	Y	
60.49b(d)	Record amounts of each fuel combusted/day and calculate annual capacity factors at a 12-month rolling average	Y	
60.49b(g)	Recordkeeping – NOx data	Y	
60.49b(h)	Excess emission reports	Y	
60.49b(h)(2)(i)	Combusts natural gas, distillate oil, or residual oil with nitrogen content of 0.3 weight percent or less – for natural gas firing-only conditions	Y	
60.49b(h)(2)(ii)	Heat input capacity of affected units is 250 MM BTU/hr or less and NOx CEM is required under 60.48b(g)(1)	Y	
60.49b(h)(4)	Excess emission definition	Y	
60.49b(i)	Reports of 60.49b(g) data	Y	
60.49b(o)	Records retained for 2 years	Y	
60.49b(v)	Electronic quarterly reports	Y	
60.49b(w)	Semi-annual reports	Y	
NSPS	Standards of Performance for Petroleum Refineries (10/2/90)		

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – Supplemental Duct Burners for S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60	2 correspond of resignations	(271)	2
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis: BACT, Cumulative Increase]	Y	
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – Supplemental Duct Burners for S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	4/1/04
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified		
Condition 18629	5/26/89. The basis for each section is PSD.		
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MM BTU/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part	total sulfur concentration in each fuel gas sample	Y	
IX.G.3.a.(1)			
Part	daily average sulfur content in fuel gas, daily average SO2 mass	Y	
IX.G.3.a.(2)	emission rate, total ton/yr of SO2		
Part IX.G.3.b	excess SO2 emissions	Y	
Part IX.G.3.c	excess SO2 emissions during startups, shutdowns and	Y	
	malfunctions		
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV - R Source-specific Applicable Requirements

S-376 - TOOL ROOM COLD CLEANER S-377 - MACHINE SHOP COLD CLEANER S-378 - AUTO SHOP COLD CLEANER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds – Solvent Cleaning Operations (10/16/02)		
Regulation 8,			
Rule 16			
8-16-201	Definitions	Y	
8-16-303	Cold Cleaner Requirements	N	
8-16-303.1	General Operating Requirements	N	
8-16-303.3.1	Operate and maintain in proper working order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16-	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
303.1.4(a)			
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be	N	
	Removed		
8-16-303.1.6	Solvent Spray Requirements	N	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	N	
8-16-303.3	Cold Cleaner General Equipment Requirements	N	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	N	
8-16-303.3.3	Used Solvent Returned to Container	N	
8-16-303.3.4	Label Stating Operating Requirements	N	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance	N	
	Cleaning		
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely	N	
	methylated siloxane (VMS)		
8-16-501	Solvent Records	N	
8-16-501.2	Facility-wide Annual Solvent Usage Records	N	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe	N	
	Cleaning		

Table IV - R Source-specific Applicable Requirements

S-376 - TOOL ROOM COLD CLEANER S-377 - MACHINE SHOP COLD CLEANER S-378 - AUTO SHOP COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-501.5	Records Retained for Previous 24 Month Period	N	
SIP	Organic Compounds – Solvent Cleaning Operations (6/15/94)		
Regulation 8,			
Rule 16			
8-16-303	Cold Cleaner Requirements	Y – note 1	
8-16-303.1	General Operating Requirements	Y – note 1	
8-16-303.1.4	Waste Solvent Disposal	Y – note 1	
8-16- 303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y – note 1	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Y – note 1	
8-16-303.1.6	Solvent Spray Requirements	Y – note 1	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y – note 1	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y – note 1	
8-16-303.3.3	Used Solvent Returned to Container	Y – note 1	
8-16-303.3.4	Label Stating Operating Requirements	Y – note 1	
8-16-501	Solvent Records	Y – note 1	
8-16-501.2	Facility-wide Quarterly Solvent Usage Records	Y – note 1	
BAAQMD			
Condition			
16677			
Part 1	Net usage of citrus-based solvent at S-376, S-377 and S-378 shall not exceed 150 gallons each in any consecutive 12-month period. [Basis: Cumulative Increase]	Y	
Part 2	Criteria for using solvents other than citrus-based solvents. [Basis: Cumulative Increase and Toxic Risk Screen]	Y	
Part 3a, 3b, 3c	Recordkeeping requirements. [Basis: Cumulative Increase and Toxic Risk Screen]	Y	

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV - S Source-specific Applicable Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

	5-420 - MARINE DOADING BERTH WIZ	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Marine Vessel Loading Terminals (1/4/89)	\mathbf{Y}	
Regulation 8,			
Rule 44			
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-301	Marine Terminal Loading Limit	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lb per 1000 bbl) of organic liquid loaded, or	Y	
8-44-301.2	POC emissions reduced 95% by weight from uncontrolled conditions	Y	
8-44-302	Emission control equipment	Y	
8-44-303	Operating practice	Y	
8-44-304	Equipment Maintenance	Y	
8-44-304.1	Certified leak free, gas tight and in good working order	Y	
8-44-304.2	Loading ceases any time gas or liquid leaks are discovered	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other rules	Y	
8-44-402.2	Rule does not prevent act/omission for vessel safety or saving life at sea	Y	
8-44-305	Ozone excess day prohibition	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for Source Categories	Y	
NESHAPS	National Emission Standards for Marine Tank Vessel Loading		
Part 63	Operations		
Subpart Y			
63.560(a)	Maximum Achievable Control Technology (MACT) applicability	Y	

Table IV - S Source-specific Applicable Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.560(a)(2)	MACT does not apply to existing sources with emissions < 10 or 25	Y	
	tons		
63.560(a)(3)	Record keeping in 63.567(j)(4) and emission estimation in 63.565(l)	Y	
	apply to existing sources < 10 and 25 tons		
63.565(1)	Emission estimation procedures	Y	
63.567(j)(4)	Retain records of emission estimates per 63.565(l), and actual	Y	
	throughputs, by commodity, for 5 years		
BAAQMD			
Condition			
4336			
Part 1	A-420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	monitoring requirements [Basis: Cumulative Increase]	Y	
Part 3	prohibition against loading without A-420 in service [Basis:	Y	
	Cumulative Increase]		
Part 4	leak test requirement [Basis: Cumulative Increase]	Y	
Part 5	maximum loading pressure relative to relief valve setpoint [Basis:	Y	
	Cumulative Increase]		
Part 6	throughput limit for regulated materials [Basis: Cumulative Increase]	Y	
Part 7	recordkeeping requirement [Basis: Cumulative Increase]		
BAAQMD	Throughput limits for sources S-425, S-426	Y	
Condition			
20989, Part			
A			

Table IV - T
Source-specific Applicable Requirements
S-450 - GROUNDWATER EXTRACTION TRENCHES

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
12245			
Part 1	Extracted water to be treated at wastewater treatment plant [Basis:	Y	
	Cumulative Increase]		
Part 2	Covers required on all pump vaults and piping access boxes [Basis:	Y	
	Cumulative Increase]		

Table IV – U Source-specific Applicable Requirements

S-1001 - SULFUR PLANT UNIT 234, S-1002 - SULFUR PLANT UNIT 236 S-1003 - SULFUR PLANT UNIT 238, S-301 - MOLTEN SULFUR PIT 234 S-302 - MOLTEN SULFUR PIT 236 AND S-303 - MOLTEN SULFUR PIT 238

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).	N	

Table IV – U Source-specific Applicable Requirements

S-1001 - SULFUR PLANT UNIT 234 , S-1002 - SULFUR PLANT UNIT 236 S-1003 - SULFUR PLANT UNIT 238, S-301 - MOLTEN SULFUR PIT 234 S-302 - MOLTEN SULFUR PIT 236 AND S-303 - MOLTEN SULFUR PIT 238

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,			
Rule 1			
9-1-313.2	operation of a sulfur removal and recovery system that removes	Y – note 1	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S		
	and ammonia from process water streams		
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Υ	Notification
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		by 8/9/02;
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		compliance
			by 4/11/05
BAAQMD			
Condition			
19278			
Part 1	Annual source test requirement to verify H2S and ammonia removal	Y	4/1/04
	efficiency. [Basis: Regulation 9-1-313.2]		
Part 2	H2S and ammonia source test reporting requirement.	Y	4/1/04
Part 3	Annual source test to verify SO3 and H2SO4 exhaust	Y	4/1/04
	concentrations. [Basis: Regulation 6-330]		
BAAQMD			
Condition			
20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	10/11/04
Part 2	Submittal requirement for Startup, Shutdown, and Malfunction Plan	Y	4/11/05
BAAQMD	Throughput limits for sources S-1001, S-1002, S-1003, S-301, S-	N	
Condition	302, S-303		
20989, Part			
A			

¹ This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – V Source-specific Applicable Requirements S-370 – ISOMERIZATION UNIT 228

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD			
Condition			
12121			
Part 1	Daily feed rate limit [Basis: Cumulative Increase]	Y	
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for S-370	Y	
Condition			
20989, Part			
A			

Table IV – W
Source-specific Applicable Requirements
S-380 – ACTIVATED CARBON SILO (P-204)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition 18251			
Part 1a	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 2b	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	4/1/04
BAAQMD	Throughput limits for S-380	Y	
Condition			
20989, Part			
A			

Table IV – X
Source-specific Applicable Requirements
S-389 – DIATOMACEOUS EARTH SILO (F-214)

Applicable Requirement District Regulation 6	Regulation Title or Description of Requirement Particulate Matter and Visible Emissions (12/19/90)	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

Table IV – X Source-specific Applicable Requirements S-389 – DIATOMACEOUS EARTH SILO (F-214)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition 18251			
Part 1b	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 2c	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	4/1/04
BAAQMD	Throughput limits for S-389	Y	
Condition			
20989, Part			
A			

	Table IV- AA Fugitive Sources: Applicable Requirements								
Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Refinery-wide applicability	Y	Y	N	N	N	N	Report only	N	Y
Specific Unit applicability									
Unit 267 (S-350)	Y	Y	Y	N	Y	N	N	N	Y
Unit 228 (S-370)	Y	Y	Y	N	Y	N	N	N	Y
Unit 110 (S-438)	Y	Y	Y	N	Y	N	N	N	Y
Unit 100 (S-324)	Y	Y	N	Y	N	N	N	N	Y
Unit 233 (S-338)	Y	Y	NA	NA	NA	NA	NA	NA	NA

Table IV – AB Applicable Requirements

COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Equipment Leaks (11/27/02)		
Regulation 8-18			
8-18-100	General/Applicability	Y	
8-18-200	Definitions	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	Y	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	Y	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-405	Alternate inspection reduction plan	N	
8-18-406	Interim Compliance	N	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
SIP	Organic Compounds-Equipment Leaks (10/10/01)		
Regulation 8-18			
8-18-405	Alternate inspection reduction plan	Y-note 1	
8-18-406	Interim Compliance	Y-note 1	
BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum	N	
Regulation 8-28	Refineries and Chemical Plants (3/18/98)		
8-28-100	General/Applicability	N	
8-28-200	Definitions	N	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum	N	
	Refineries		
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	N	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	N	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	N	

Table IV – AB Applicable Requirements

COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-28-402	Inspection	N	
8-28-403	Records	N	
8-28-404	Identification	N	
8-28-405	Prevention Measures Procedures	N	
SIP	Pressure Relief Valves at Petroleum Refineries and Chemical		
Regulation 8,	Plants (12/9/94)		
Rule 28			
8-28-301	Pressure Relief Valve	Y-note 1	
8-28-401	Reporting	Y-note 1	
8-28-402	Inspection	Y-note 1	
8-28-403	Records	Y-note 1	
8-28-404	Identification	Y-note 1	
NSPS Part 60			
Subpart GGG			
applies to the S-			
350 crude unit, S-			
370 isomerization			
unit, S-438			
hydrogen plant			
NSPS Part 60	Standards of Performance for Equipment Leaks (Fugitive		
Subpart GGG;	Emission Sources) (5/30/84);		
BAAQMD Regulation 10-59	BAAQMD Standards of Performance for New Stationary Sources (4/19/89)		
40 CFR 60.590	Applicability	Y	
60.591	Definitions	Y	
60.592	Subject to provisions of Part 60, Subpart VV	Y	
60.593	Exceptions	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart GGG	Y	
Regulation 10-59	*		
NSPS Part 60			
Subpart QQQ			
applies to the S-			
1007 dissolved air			
flotation unit			

Table IV – AB Applicable Requirements

COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS Part 60	Standards of Performance for VOC Emission From Petroleum	(1/11)	Date
Subpart QQQ;	Refinery Wastewater Systems (7/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-69	(12/20/95)		
40 CFR 60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-5	Closed-vent systems and control devices Standards	Y	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart QQQ	Y	
Regulation 10-69			
NSPS Part 60			
Subpart VV			
applies to the			
S-350 crude unit,			
S-370			
isomerization			
unit, S-438			
hydrogen plant			
NSPS Part 60	Standards of Performance for Equipment Leaks (Fugitive	Y	
Subpart VV;	Emission Sources) (8/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-52	(12/20/95)		
60.480	Applicability	Y	
60.481	Definitions	Y	
60.482-1	General Standards	Y	
60.482-2	Pump Standards:	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-1(c),	Y	
	60.482-2(d), (e), or (f)		
60.482-2(a)(2)	Weekly visual inspection of each pump, except for (e), (f), or (g)	Y	
60.482-2(b)	Air measurement >10,000 ppm or dripping liquid indicates leak	Y	
60.482-2(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2(e)	No detectable emission designation: <500 ppm	Y	

Table IV – AB Applicable Requirements

COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

	COMI ONENTS (FACILITI-WIDE EACEIT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.482-2(f)	Requirements for Closed Vent Systems	Y	
60.482-8	Pumps in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-3	Compressor Standards	Y	
60.482-4	Requirements for Pressure Relief Devices in gas/vapor service	Y	
60.482-5	Requirements for Sampling connecting systems	Y	
60.482-6	Requirements for Open-ended valves or lines	Y	
60.482-7	Valve Standards:	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then	Y	
	monitor first month of each quarter. If leak >10,000 ppm is detected,		
	resume monthly monitoring		
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7(f)	Designated no-emissions (<500 ppm) valves with no external	Y	
	actuating mechanisms in contact with process fluid, may revert to		
	annual monitoring, or that requested by the Administrator		
60.482-8	Valves in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-8	Pressure Relief Devices in liquid service and Flanges and other	Y	
	Connectors Standards		
60.482-10	Requirements for Closed-vent systems and control devices	Y	
60.483-1, 60.483-	If a process unit has 5 consecutive quarters with <2% of valves	Y	
2, and BAAQMD	leaking at >10,000 ppm, then any individual valve which measures		
8-18-404.1	<100 ppm for 5 consecutive quarters may be monitored annually		
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart VV	Y	
Regulation 10-52			
NESHAP Part 63	National Emission Standards for Hazardous Air Pollutants from	Y	
Subpart CC	Petroleum Refineries		
63.640(a)	Applicability	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks.	Y	

Table IV – AB
Applicable Requirements

COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less stringent monitoring frequency	Y	
63.648(e)	Equipment leak standards – reciprocating pumps in heavy liquid service	Y	
63.648(f)	Equipment leak standards – reciprocating pumps in light liquid service	Y	
63.648(g)	Equipment leak standards – compressors in hydrogen service	Y	
63.648(h)	Keep records for 5 years	Y	
63.648(i)	Equipment leak standards – reciprocating compressors	Y	
63.654(d)	Record keeping and reporting	Y	

This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – B1
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS
WITH VAPOR RECOVERY TO FUEL GAS
S-433 (F224-MOSC)

Applicable Requirement BAAQMD · Regulation 8,	Regulation Title or Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT	Federally Enforceable (Y/N)	Future Effective Date
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD · Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLUDGE DEWATERING UNITS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	Y	

Table IV – B1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S-433 (F224-MOSC)

			1
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL		
10.000	GAS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	E continue for a minimum interest to 14 cf. 1 conservation	37	
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)	NCDC C. L 4 OOO VOC F ' . ' C D. 4 . L D. C		
NSPS Title 40 Part 60 Subpart	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
•	Wastewater Systems REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO		
QQQ	FUEL GAS		
40 CFR	Applicability and Designation of Affected Facility	Y	
60.690(a)(1)	reprised into and Designation of Affected Lacinty	1	
40 CFR	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	repriedulity and Designation of Affected Lacinty	•	
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated	Y	
.0 01100.071	equipment are routed to a process (e.g., petroleum refinery fuel gas	-	
	system), the process shall not be considered a closed vent system and is		
	not subject to the closed vent system standards.		
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-	Standards: General	Y	
1(a)			
40 CFR 60.692-	Standards: General	Y	
1(b)			
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(1)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(2)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(3)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(4)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(f)			
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-	Standards: Delay of Repair	Y	
6(a)			

Table IV – B1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S-433 (F224-MOSC)

	5-435 (1·224-1·105C)		
40 CFR 60.692-	Standards: Delay of Repair	Y	
6(b)	D. II. D.	***	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(1)			
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(2)			
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(3)			
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(4)			
40 CFR	Recordkeeping Requirements	Y	
60.697(f)(1)			
40 CFR	Recordkeeping Requirements	Y	
60.697(f)(2)			
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	REQUIREMENTS FOR RECORDKEEPING ONLY		
Kb			
40 CFR	Applicability and Designation of Affected Facility; Volatile organic	Y	
60.110b(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR	Applicability and Designation of Affected Facility; Exemptions for	Y	
60.110b(c)	storage vessels > or = to 75 cu m		
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a)			
40 CFR	Monitoring of Operations; Permanent record requirements	Y	
60.116b(b)			
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)			
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)			
40 CFR	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
60.116b(f)	variable composition)		
40 CFR	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40	Y	
60.116b(g)	CFR 60.116b(d) for tanks with closed vent system and control device		
BAAQMD	APPLICABLE TO S-433		
Condition 7353			
Part 1	Requirement to vent tank to fuel gas system [Basis: Cumulative Increase]	Y	
Part 2	Valve, pump design requirements [Basis: Cumulative Increase]	Y	
Part 3	Limitation on material stored [Basis: Cumulative Increase]	Y	
Part 4	Annual throughput limit [Basis: Cumulative Increase]	Y	
		Y	
Part 5	Weekly throughput records [Basis: Recordkeeping]	Y	

Table IV – B1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S-433 (F224-MOSC)

BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B2 Source-Specific Applicable Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING S-118 (TANK 163)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title	SOCMI HON G (01/27/1995)		
40 Part 63	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
Subpart G			
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
63.119(a)(3)	storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)		
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
	only required to keep tank dimensions and capacity analysis. Retain for life of source.		
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group	Y	
63.646(b)(1)	determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18	Y	
63.646(b)(2)	to resolve disputes		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	_
63.654(i)(1)	vessels – Keep records specified in 40 CFR 63.123		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)(iv)	vessels – Data and assumptions used to determine Group 2 classification		

Table IV – B2 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks Subject to MACT Recordkeeping S-118 (Tank 163)

a.		_	
40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure	Y	4/1/04
	of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD	Throughput limits for source S-118	N	
Condition 20989,			
Part A			

Table IV – B3 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks < 10,000 Gallons S-117 (Tank 162), S-193 (Tank 305), S-194 (Tank 306)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8,	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD	Throughput limits for sources S-117, S-193, S-194	N	
Condition 20989,			
Part A			

Table IV – B4 Source-Specific Applicable Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS S-238 (TANK 211), S-239 (TANK 212)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date

Table IV – B4 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks Vented to Fuel Gas S-238 (Tank 211), S-239 (Tank 212)

BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-238, S-239	N	

Table IV – B5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD · Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLUDGE DEWATERING UNITS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	

Table IV – B5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS

S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

8-8-603	Manual of Procedures: Inspection Procedures	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for	1	
Part 63 Subpart CC	Petroleum Refining (8/18/95)		
Tare of Suspare CC	REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage	Y	
	VesselsExisting Group 1 or Group 2 also subject to Kb only subject		
	to Kb and 63.640(n)(8).		
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage	Y	
	VesselsAdditional requirements for Kb storage vessels		
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for	Y	
40 CEP (0.11(1())	storage vessels > or = to 75 cu m	7.7	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)			
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
NSPS Title 40 Part	variable composition)		
	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	Wastewater Systems REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT		
oo Subpart QQQ	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT		
_	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b)	Y	
40 CFR 60.690(a)(1)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility	Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b)	Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility		
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General	Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General	Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General	Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3(a)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3(a)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3 40 CFR 60.692-3	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3(a) 40 CFR 60.692-3(a) 40 CFR 60.692-3(a) 40 CFR 60.692-3(a)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y Y Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3 3(a)(1) 40 CFR 60.692-3 3(a)(2) 40 CFR 60.692-3	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3(a) 40 CFR 60.692-3(a)(1) 40 CFR 60.692-3(a)(2) 40 CFR 60.692-3(a)(4)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y Y Y Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3(a) 40 CFR 60.692-3(a)(1) 40 CFR 60.692-3(a)(2) 40 CFR 60.692-3(a)(4) 40 CFR 60.692-3(a)(4) 40 CFR 60.692-3(a)(4)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y Y Y Y Y Y Y Y	
40 CFR 60.690(a)(1) 40 CFR 60.690(a)(3) 40 CFR 60.692-1 40 CFR 60.692-1(a) 40 CFR 60.692-1(b) 40 CFR 60.692-3 40 CFR 60.692-3(a) 40 CFR 60.692-3(a) 40 CFR 60.692-3(a)(1) 40 CFR 60.692-3(a)(2) 40 CFR 60.692-3(a)(2) 40 CFR 60.692-3(a)(4)	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b) Applicability and Designation of Affected Facility Applicability and Designation of Affected Facility Standards: General Standards: General Standards: Oil-Water Separators (includes storage vessels) Standards: Oil-Water Separators (includes storage vessels)	Y Y Y Y Y Y Y Y Y Y Y Y Y Y	

Table IV – B5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS

S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

	5-175 (TANK 501), 5-170 (TANK 502), 5-300 (TANK	L 2 / U/ I 2U.	<i>)</i>
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
BAAQMD	APPLICABLE TO S-388		
Condition 1860			
Part 1	No detectable VOC emissions [Basis: Cumulative Increase]	Y	
Part 2	Requirement to vent to fuel gas recovery system [Basis: Cumulative Increase]	Y	
Part 3	Requirement to include S-388 in fugitive inspection program to verify compliance with Part 1 [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD	Throughput limits for sources S-195	N	_
Condition 20989,			
Part A			
BAAQMD	Throughput limits for source S-196, S-388	Y	
Condition 20989,			
Part A			

Table IV – B6 Source-Specific Applicable Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S-121 (TANK 166)

	5-121 (TANK 100)	1	
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	

Table IV – B6 Source-Specific Applicable Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S-121 (TANK 166)

	S-121 (1ANK 166)		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.4	Primary seal requirements; Resilient-toroid seal requirements including seal gaps	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
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Table IV – B6 Source-Specific Applicable Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S-121 (TANK 166)

	S-121 (TANK 100)		
NESHAPS Title	SOCMI HON G (01/27/1995)		
40 Part 63	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
Subpart G			
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR	Y	
	63.123(a)		-
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)	vessels – Data and assumptions used to determine Group 2 classification		
(iv)	The second secon		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
BAAQMD	Throughput limits for source S-121	N	
Condition			
20989, Part A			
20707, 1 art A		l	

Applicable	Developing Title on	Federally	Future
Requirement	Regulation Title or	Enforceable (Y/N)	Effective Date
BAAQMD ·	Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/N)	Date
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	

8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
	seals, lids – Projection below surface except p/v valves and vacuum		
	breaker vents		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
	seals, lids –		
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
	seals, lids – Gap requirements		
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements in floating roof tanks		
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Projection below the liquid surface		
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Cover, seal, or lid		
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Gap between the well and the roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements	Y	
	Geometry of shoe		
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps	Y	
	for welded tanks		
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal	Y	
	installed after September 4, 1985		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	

	months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS 40 CFR	National Emission Standards for Hazardous Pollutants for		
63 Subpart CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsExisting Group 1 or Group 2 also subject to Kb		
	only subject to Kb and 63.640(n)(8).		
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(i)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(ii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iv)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(v)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(vi)	Storage VesselsAdditional requirements for Kb storage vessels		
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y	
	tanks> 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or		
	>= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and <		
40 CED	76.6 kPa	3.7	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)	roof option	3.7	
40 CFR 60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
	roof primary seal requirements	ĭ	
60.112b(a)(2)(i)(A) 40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(i)(B)	roof secondary seal requirements	1	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(ii)	roof openings requirements	1	
55.1120(u)(2)(11)	1001 openings requirements		

60.113b(b)(1) frequency 40 CFR 60.133b(b)(1) frequency 40 CFR 60.133b(b)(1) frequency 40 CFR 60.133b(b)(1) frequency 40 CFR 60.133b(b)(1)(ii) frequency 40 CFR 60.133b(b)(1)(iii) frequency 40 CFR 60.133b(b)(2) frequency 40 CFR 60.133b(b)(2) frequency 40 CFR 60.133b(b)(2) frequency 40 CFR 60.133b(b)(2)(iii) frequency 60.133b(b)(2)(iii) frequency 60.133b(b)(2)(iii) frequency 60.133b(b)(2)(iii) frequencencencencencencencencencencencencence	40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
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40 CFR Testing and Procedures; External floating roof notification prior to filling	60.113b(b)(6)(i)	repairs		
60.113b(b)(6)(ii) filling		Testing and Procedures; External floating roof notification prior to	Y	
	60.113b(b)(6)(ii)			
		Reporting and Recordkeeping Requirements; 60.112b(a) tanks;	Y	

	Record retention		
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
	floating		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(2)	floating roof seal gap measurement report – content requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(3)	floating roof seal gap measurement records requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(4)	floating roof seal gap exceedance report		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-crude oil and refined	Y	
60.116b(e)(2)	petroleum		
BAAQMD	APPLICABLE TO S-439		
Condition 12124			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S-440		
Condition 12125			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S-442		
Condition 12127			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S-444		
Condition 12129			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S-451		
Condition 19476			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Tank design requirements [Basis: BACT, Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS	(1/1/)	Dutt
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-106)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-106)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-106)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y
	requirements	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y
8-5-320	Tank fitting requirements – Floating roof tanks	Y
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y
	seals, lids – Projection below surface except p/v valves and vacuum breaker vents	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y
8-5-321	Primary seal requirements	Y
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y
8-5-322	Secondary seal requirements	Y
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y
8-5-322.2	Secondary seal requirements; Insertion of probes	Y
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y
8-5-322.6	Secondary seal requirements; extent of seal	Y
8-5-328	Tank degassing requirements	Y
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

2 2	S-101 (1ANK 104), S-102 (1ANK 105), S-106 (1A		
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-106)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-106)	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(6/15/1994)		
Rule 8	REQUIREMENTS FOR WASTEWATER SEPARATORS		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min)	Y	
8-8-302.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals	Y	
8-8-302.2.1	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – liquid mounted primary seal gap criteria	Y	
8-8-302.2.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – secondary and wiper seals gap criteria	Y	
8-8-302.2.3	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – primary and secondary seal gap inspection	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-503	Monitoring and Records: Inspection and Repair Records	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 63 Subpart	National Emission Standards for Hazardous Pollutants for		
CC	Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
40 CFR	Wastewater streams and treatment operations associated with	Y	
63.640(c)(3)	petroleum refining process units meeting the criteria of section 63.640(a)		
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)	1.112.12.0)
60 Subpart Kb	REQUIREMENTS FOR EXTERNAL FLOATING ROOF	
ov Subpart Kb	TANKS	
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y
40 CFK 60.1100(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y
40 CFK 00.1120(a)	tanks> 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or	1
	>=75 cu m and <151 cu m with maximum TVP $>=3.2$ kl a and <70.0 kl a, of	
	76.6 kPa	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y
60.112b(a)(2)	roof option	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y
60.112b(a)(2)(i)	roof seal requirements	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y
60.112b(a)(2)(i)(A)	roof primary seal requirements	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y
60.112b(a)(2)(i)(B)	roof secondary seal requirements	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y
60.112b(a)(2)(ii)	roof openings requirements	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y
60.112b(a)(2)(iii)	roof floating requirements	
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y
60.113b(b)(1)	frequency	
40 CFR	Testing and Procedures; External floating roof primary seal gaps	Y
60.113b(b)(1)(i)	measurement frequency	
40 CFR	Testing and Procedures; External floating roof secondary seal gaps	Y
60.113b(b)(1)(ii)	measurement frequency	77
40 CFR	Testing and Procedures; External floating roof reintroduction of VOL	Y
60.113b(b)(1)(iii) 40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y
60.113b(b)(2)	procedures	Y
40 CFR	Testing and Procedures; External floating roof measure seal gaps	Y
60.113b(b)(2)(i)	when roof is floating	1
40 CFR	Testing and Procedures; External floating roof measure seal gaps	Y
60.113b(b)(2)(ii)	around entire circumference	•
40 CFR	Testing and Procedures; External floating roof seal method to	Y
60.113b(b)(2)(iii)	determine surface area of seal gaps	
40 CFR	Testing and Procedures; External floating roof method to calculate	Y
60.113b(b)(3)	total surface area ratio	
40 CFR	Testing and Procedures; External floating roof seal gap repair	Y
60.113b(b)(4)	requirements	
40 CFR	Testing and Procedures; External floating roof primary seal gap	Y
60.113b(b)(4)(i)	limitations	
40 CFR	Testing and Procedures; External floating roof mechanical shoe	Y
60.113b(b)(4)(i)(A)	primary seal requirements	
40 CFR	Testing and Procedures; External floating roof primary seals no	Y
60.113b(b)(4)(i)(B)	holes, tears, openings	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

	S-101 (TANK 104), S-102 (TANK 105), S-106 (TA	NK 130)	
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)	limitations		
40 CFR	Testing and Procedures; External floating roof secondary seal	Y	
60.113b(b)(4)(ii)(A)	installation Control of the Control	***	
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(B)	Total and Development Continues Continues and Continues an	Y	
40 CFR 60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
40 CFR		Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
40 CFR	Testing and Procedures; External floating roof seal gap inspections	Y	
	30 day notification	ĭ	
60.113b(b)(5)	-	37	
40 CFR 60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
		Y	
40 CFR 60.113b(b)(6)(i)	Testing and Procedures; External floating roofroof or seal defect repairs	I	
40 CFR	Testing and Procedures; External floating roof notification prior to	Y	
60.113b(b)(6)(ii)	filling	1	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks;	Y	
40 CFR 00.1130	Record retention	1	
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
10 611(00.1120(0)	floating	1	
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(2)	floating roof seal gap measurement report – content requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(3)	floating roof seal gap measurement records requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(4)	floating roof seal gap exceedance report		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)			
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
	variable composition)		
NSPS Title 40 Part	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	Wastewater Systems		
	REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT		
	TO NSPS Kb		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

	5 101 (1A K 101), 5 102 (1A K 103), 5 100 (1A		
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(d)	Standards: Oil-Water Separators (includes storage vessels) – Overlap with Kb	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
BAAQMD	Throughput limits for sources S-101, S-102, S-106	Y	•
Condition 20989,			
Part A			

Applicable Requirement BAAQMD Regulation 8 Rule	Regulation Title or Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR INTERNAL FLOATING ROOF	Federally Enforceabl e (Y/N)	Future Effective Date
5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	

	S-448 (TANK 1007)		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	

	S-448 (TANK 1007)		
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage VesselsExisting Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iv)	Storage VesselsAdditional requirements for Kb storage vessels		

	5-446 (TANK 1007)		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(v)	Storage VesselsAdditional requirements for Kb storage vessels		
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
	TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y	
	tanks > 151 cu m with maximum TVP >=5.2 kPa and <76.6; or >=		
	75 cu m and $<$ 151 cu m with maximum TVP $>=$ 27.6 kPa and $<$ 76.6		
	kPa		
40 CFR	Standard for Volatile Organic Compounds (VOC); Fixed roof with	Y	
60.112b(a)(1)	internal floating roof option		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(i)	roof requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(ii)	roof seal requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(ii)(B)	roof double seal option		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(iii)	roof openings-projections below roof surface		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(iv)	roof openings covers		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(v)	roof automatic bleeder vents		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(vi)	roof rim space vents		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(vii)	roof sampling penetrations		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(viii)	roof support column penetrations		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(ix)	roof ladder penetrations		
40 CFR	Testing and Procedures; Internal floating roof visual inspection	Y	
60.113b(a)(1)	before filling. Repair any defects found during inspection before		
40 CED	filling.	37	
40 CFR	Testing and Procedures; Internal floating roof tanks with liquid	Y	
60.113b(a)(2)	mounted or mechanical shoe primary seal, annual visual inspection		
	through manholes and hatches (if complying with 40 CFR 60.113b(a)(3)(ii))		
40 CFR	Testing and Procedures; Internal floating roof with double seal	Y	
60.113b(a)(3)	system, inspection requirements	I	
40 CFR	Testing and Procedures; Internal floating roof with double seal	Y	
60.113b(a)(3)(ii)	system, inspection requirements - visually inspect per 40 CFR	I	
00.1130(a)(3)(11)	60.113b(a)(2) annually and per 40 CFR 60.113b(a)(4) every 10 years.		
40 CFR	Testing and Procedures; Internal floating roof inspection	Y	
60.113b(a)(4)	requirements each time tank is emptied and degassed (10 year	1	
ου.113υ(α)(¬)	intervals if complying with 40 CFR 60.113b(a)(3)(ii))		
L	microus ir comprying with 40 Cr R 00.1130(a)(3)(11))		<u> </u>

Table IV – B9 Source-Specific Applicable Requirements NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

	5-446 (TANK 1007)		
40 CFR	Testing and Procedures; Internal floating roof, 30 day notification for	Y	
60.113b(a)(5)	filling after inspection		
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks;	Y	
	Record retention		
40 CFR 60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
	floating roof tanks		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(2)	floating roof inspection records		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(3)	floating roof annual inspection defects report		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(4)	floating roof double seal system inspection defects report		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-crude oil and refined	Y	
60.116b(e)(2)	petroleum		
BAAQMD			
Condition 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

Table IV – B10 Source-Specific Applicable Requirements Internal Floating Roof Tanks with Dome Roofs Previously External Floating Roof Tanks S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceabl e (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8 Rule	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	

Table IV – B10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Floating roof tanks - continuous and quick filling, emptying and		
	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance with Section 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	Y	
	prior notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y	
	Telephone notification		
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and	Y	
	certification before commencement of work		
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed	Y	
	7 days		
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-126	Y	
	and S-258)		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies	Y	
	only to S-126 and S-258)		
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation (applies only to S-126 and S-258)		
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof	Y	
	tank; not required if dome roof has translucent panels		
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below	Y	
-	liquid surface except p/v valves and vacuum breaker vents		
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
	seals, lids	-	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
	seals, lids – Gap requirements		
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
	seals, lids – Inaccessible openings on internal floating roof tanks	-	

Table IV – B10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005) Tank fitting requirements: Floating roof tanks: Solid sampling or

8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells		
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93 – note 2	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-126 and S-258)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	

Table IV – B10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-	Y	
	126 and S-258)		
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
40 CED (2.110(a)	TANKS Character Vessel Descriptions - Defended Control Technology	V	
40 CFR 63.119(a) 40 CFR	Storage Vessel Provisions Reference Control Technology Storage Vessel Provisions Reference Control TechnologyGroup	Y Y	
63.119(a)(1)	1, TVP < 76.6 kPa	1	
40 CFR 63.119(b)	Storage Vessel Provisions Reference Control Technology—	Y	
6711 05.715(0)	Internal floating roof	-	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)	Internal floating roofMust float on liquid		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)(i)	Internal floating roofMust float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)(ii)	Internal floating roof Must float on liquid except after completely		
10.077	emptied and degassed	**	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)(iii)	Internal floating roof Must float on liquid except when completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(2)	Internal Floating Roof Operations, when not floating	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)	Internal floating roof – seals; must have at least one seal	-	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(i)	Internal floating roof – seal option; single liquid-mounted seal		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(ii)	Internal floating roof - seal option; single metallic shoe seal		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(iii)	Internal floating roof - seal option; double seal, lower can be vapor		
40 CEP	mounted	Y	
40 CFR 63.119(b)(4)	Storage Vessel Provisions Reference Control Technology Internal floating roof – automatic bleeder valve requirements	Y	
40 CFR 63.120(a)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
40 CFR 03.120(a)	Compliance DemonstrationInternal floating roof	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance—	Y	
63.120(a)(1)	Internal FR tank inspection schedule		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance—	Y	
63.120(a)(3)	Internal FR tank inspections – tanks with double seals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(3)(ii)	Internal FR tank inspections – tanks with double seals - annual		
	visual inspection of IFR and secondary seal through manholes and		
	roof hatches. Also must comply with 40 CFR 63.120(a)(3)(iii) every		
40 CED	time emptied and degassed and every 10 years.	V 7	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	

Table IV – B10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005) Internal FR tank inspections – tanks with double seals – visually

63.120(a)(3)(iii)	Internal FR tank inspections – tanks with double seals - visually		
	inspect IFR and both seals each time emptied and degassed and at		
	least once every 10 years [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]. Also must comply with annual visual inspection		
	in 40 CFR 63.120(a)(3)(ii).		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(4)	Internal FR Repairs must be made within 45 days after identification		
	or empty and remove tank from service. Two 30 day extensions are		
	allowed to empty the tank. Decision to use extension must be		
	documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(5)	Internal FR and seal visual inspection each time emptied – 30 day		
	notification required for 10 year inspection (63.120(a)(3)(iii))		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(6)	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(7)	Internal FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 63.123(c)	Storage Vessel Provisions RecordkeepingGroup 1 Internal	Y	
	floating roof tank requirements - records of each tank inspection		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
	the state of the Property of the state of th	I	

Table IV – B10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

40 CEP (2 (4(())	S 120 (TRICK 172), S 207 (TRICK 1001), S 200 (TR		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
()	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements	·	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	•	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels	1	
05.054(1)(1)(1)(11)(1	status report requirementsreportingstorage vessers		
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 05.054(g)	Periodic Reporting and Recordkeeping Requirements—storage	Y	
	vessels [Information related to gaskets, slotted membranes, and	ĭ	
63.654(g)(1)	sleeve seals not required for storage vessels that are part of existing		
	source]		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
		ĭ	
63.654(g)(2)	floating roof tanks – submit results of each tank inspection where		
40 CED	failure is detected in control equipment	37	
40 CFR	Periodic Reporting and Recordkeeping Requirementsinternal	Y	
63.654(g)(2)(i)	floating roof tanks – submit results of each tank inspection where		
40 CED	failure is detected in control equipment – annual inspection reports	3.7	
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(i)(A)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
10 CPP	definition of failure		
40 CFR	Periodic Reporting and Recordkeeping Requirements—internal	Y	
63.654(g)(2)(i)(B)	floating roof tanks - submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
10 GPD	Periodic Report requirements		
40 CFR	Periodic Reporting and Recordkeeping Requirements—internal	Y	
63.654(g)(2)(i)(C)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	extension documentation	_	
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	

Table IV – B10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	(
63.654(g)(2)(ii)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(ii)(A)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report;		
	definition of failure		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(ii)(B)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report;		
	Periodic report requirements		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for sources S-126, S-257, S-258	N	
	, , , , , , , , , , , , , , , , , , ,		
Condition 20989,	l l	1	

Seals in S-257 and S-258 were installed prior to 2/1/1993, but these tanks will be treated as zero-gap tanks because the seals have met these requirements when the tanks were considered external floating roof.

Table IV – B11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS \$-360 (TANK 223), \$-445 (TANK 271), \$-449 (TANK 285)

5 500 (TAIN 225); 5 115 (TAIN 271); 5 115 (TA		ATTR 200)	
		Federally	Future
Applicable	Regulation Title or	Enforceabl	Effective

Table IV – B11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

Requirement	Description of Requirement	e	Date
		(Y/N)	
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	

Table IV – B11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y
8-5-404	Certification	Y
8-5-501	Records	Y
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y
8-5-503	Portable hydrocarbon detector	Y
8-5-602	Analysis of Samples, True Vapor Pressure	Y
8-5-603	Determination of emissions	Y
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y
8-5-604	Determination of Applicability	Y
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for	
40 Part 63	Petroleum Refining (8/18/95)	
Subpart CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM	
40 CFR	Applicability and Designation of Storage Vessels	Y
63.640(c)(2)		
40 CFR	Exemption for emission points routed to fuel gas system	Y
63.640(d)(5)	1000 C 1	
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)	
Part 60 Subpart Kb	REQUIREMENTS FOR FIXED ROOF TANKS	
40 CFR	Applicability and Designation of Affected Facility; Volatile organic	Y
60.110b(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984	1
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y
60.112b(a)(3)	and control device	
40 CFR 60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 40 CFR 60.485(b)	Y
10.077	(Subpart VV)	
40 CFR 60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y
60.113b(c)	flare)	1
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y
60.113b(c)(1)	flare) operating plan submission	
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y
60.113b(c)(1)(i)	flare) operating planefficiency demonstration	
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y
60.113b(c)(1)(ii)	flare) operating planmonitoring parameters	
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y
60.113b(c)(2)	flare) operate in accordance with operating plan	37
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks; Record retention	Y
	Reporting and Recordkeeping Requirements; Closed vent system and	N/
40 CFR	Reporting and Recordkeeping Requirements: Closed vent system and	Y

Table IV – B11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

5 000 (TM:(K 220)), 5 115 (TM:(K 271)), 5 115 (TM		
	Y	
device		
Reporting and Recordkeeping Requirements; Closed vent system and	Y	
control device (not flare) operating records – Retain for at least 2 years		
Monitoring of Operations; Record retention	Y	
Monitoring of Operations; Permanent record requirements	Y	
Monitoring of Operations; Determine TVP	Y	
Monitoring of Operations; Determine TVP-crude oil or refined	Y	
petroleum products		
Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40	Y	
CFR 60.116b(d) for tanks with closed vent system and control device		
APPLICABLE TO S-445		
Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
Increase		
APPLICABLE TO S-449		
Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
Increase]		
Throughput limits for sources S-360	Y	
	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years Monitoring of Operations; Record retention Monitoring of Operations; Permanent record requirements Monitoring of Operations; Determine TVP Monitoring of Operations; Determine TVP-crude oil or refined petroleum products Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device APPLICABLE TO S-445 Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase] APPLICABLE TO S-449 Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device (not flare) operating plan copy – Retain for life of control device (not flare) operating records – Retain for at least 2 years Monitoring of Operations; Record retention Monitoring of Operations; Permanent record requirements Y Monitoring of Operations; Determine TVP Monitoring of Operations; Determine TVP-crude oil or refined yetroleum products Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device APPLICABLE TO S-445 Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase] APPLICABLE TO S-449 Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]

Table IV – B12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

Applicable	Regulation Title or	Federally Enforceabl e	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	REQUIREMENTS FOR FIXED ROOF TANKS		
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	

Table IV – B12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

	5-440 (TANK 310), 5-447 (TANK 311)		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	

Table IV – B12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

	months		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	REQUIREMENTS FOR FIXED ROOF TANKS		
Kb 40 CFR	Applicability and Designation of Affected Facility; Volatile organic	Y	
60.110b(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984	1	
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)	and control device		
40 CFR 60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 40 CFR 60.485(b) (Subpart VV)	Y	
40 CFR 60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
40 CFR 60.112b(b)	Standard for Volatile Organic Compounds (VOC); Requirements for tanks >= 75 cu m and maximum TVP >= 76.6 kPa (11.1 psia)	Y	
40 CFR 60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option per 40 CFR60.112b(a)(3)	Y	
40 CFR 60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
40 CFR 60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
40 CFR 60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating planefficiency demonstration	Y	
40 CFR 60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating planmonitoring parameters	Y	
40 CFR 60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks; Record retention	Y	
40 CFR 60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare)	Y	

Table IV – B12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

	77		
40 CFR 60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control	Y	
	device		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(2)	control device (not flare) operating records – Retain for at least 2 years		
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a)			
40 CFR	Monitoring of Operations; Permanent record requirements	Y	
60.116b(b)			
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)			
40 CFR	Monitoring of Operations; Determine TVP-crude oil or refined	Y	
60.116b(e)(2)	petroleum products		
40 CFR	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40	Y	
60.116b(g)	CFR 60.116b(d) for tanks with closed vent system and control device		
BAAQMD	APPLICABLE TO S-446		
Condition 12131			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		
BAAQMD	APPLICABLE TO S-447		
Condition 12132			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (Tank 100), S-100 (Tank 103), S-110 (Tank 155), S-111 (Tank 156), S-112 (Tank 157), S-114 (Tank 159), S-115 (Tank 160), S-122 (Tank 167), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-150 (Tank 241), S-151 (Tank 242), S-177 (Tank 287), S-178 (Tank 288), S-186 (Tank 298), S-254 (Tank 1001), S-255 (Tank 1002), S-256 (Tank 1003), S-259 (Tank 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceab le (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (Tank 100), S-100 (Tank 103), S-110 (Tank 155), S-111 (Tank 156), S-112 (Tank 157), S-114 (Tank 159), S-115 (Tank 160), S-122 (Tank 167), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-150 (Tank 241), S-151 (Tank 242), S-177 (Tank 287), S-178 (Tank 288), S-186 (Tank 298), S-254 (Tank 1001), S-255 (Tank 1002), S-256

	(1ANK 1003), S-239 (1ANK 1000)		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
8-3-111.1.2	Notification, Telephone notification	ĭ	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
0 0 111.2	in compliance prior to notification	-	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Satisfy requirements of 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	Y	
	notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
	Minimize emissions		
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-110	Y	
	(Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174),		
	S-129 (Tank 180), S-178 (Tank 288))		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies	Y	
	only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-		
	128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))		
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation (applies only to S-110 (Tank 155), S-115		
	(Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180),		
	S-178 (Tank 288))		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
	requirements		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (Tank 100), S-100 (Tank 103), S-110 (Tank 155), S-111 (Tank 156), S-112 (Tank 157), S-114 (Tank 159), S-115 (Tank 160), S-122 (Tank 167), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-150 (Tank 241), S-151 (Tank 242), S-177 (Tank 287), S-178 (Tank 288), S-186 (Tank 298), S-254 (Tank 1001), S-255 (Tank 1002), S-256

8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	
8-3-320.2	liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0-3-320.3	seals, lids	1	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0 5 520.5.1	seals, lids - Gap requirements	1	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements in floating roof tanks		
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementsprojection below liquid surface		
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementscover, seal, or lid		
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementsgap between well and roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
	geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
	welded tanks		
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks	Y	
	with seals installed after 9/4/1985 or welded internal floating roof		
	tanks with seals installed after 2/1/1993		
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
	Emission Control System		
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
0.5.404.5	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only	Y	
	to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128		

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (Tank 100), S-100 (Tank 103), S-110 (Tank 155), S-111 (Tank 156), S-112 (Tank 157), S-114 (Tank 159), S-115 (Tank 160), S-122 (Tank 167), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-150 (Tank 241), S-151 (Tank 242), S-177 (Tank 287), S-178 (Tank 288), S-186 (Tank 298), S-254 (Tank 1001), S-255 (Tank 1002), S-256

	(Tank 174), S-129 (Tank 180), S-178 (Tank 288))		
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP -	Y	
	Retain 24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	Y	
	Replacement Records - Retain 10 years		
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-	Y	
	110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank		
	174), S-129 (Tank 180), S-178 (Tank 288))		
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
_	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid	***	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial		
40 CFR	fill Storage Vessel Provisions - Reference Control Technology	Y	
	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after	Y	
63.119(c)(3)(ii)	completely emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	ĭ	
05.119(0)(5)(111)	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
40 CFK	Storage vesser Provisions Reference Control reciniology	1	

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256

63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	-External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(i)	-External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iii)	-External FR with double seals - secondary seal gap measurement –	-	
03.120(0)(1)(111)	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iv)	-External FR seal inspections prior to tank refill with organic HAP	1	
03.120(0)(1)(11)	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)	-External FR seal gap determination methods	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	-External FR seal gap determination methods – roof not resting on	1	
03.120(0)(2)(1)	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(ii)	-External FR seal gap determination methods – measure gaps	1	
03.120(0)(2)(11)			
	around entire circumference of seal and measure width and length		
40 CFR	of gaps Storage Vessel Provisions Procedures to Determine Compliance-	Y	
		1	
63.120(b)(2)(iii)	-External FR seal gap determination methods – determine total		
40 CFR	surface area of each gap	Y	
	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(3)	-External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
40 CFR	Maximum width <= 3.81 cm Storage Vessel Provisions Procedures to Determine Compliance-	Y	
		Y	
63.120(b)(4)	-External FR secondary seal gap calculation method – total surface		
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
40 CED	diameter. Maximum width <= 1.27 cm	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	ı	
63.120(b)(5)	-External FR primary seal additional requirements	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(5)(i)	-External FR primary seal additional requirements – metallic shoe		
40 CFR	seal – shoe geometry	Y	
	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(5)(ii)	-External FR primary seal additional requirements – no holes, tears,		
40 CED	or openings	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(6)	-External FR secondary seal requirements		

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (Tank 100), S-100 (Tank 103), S-110 (Tank 155), S-111 (Tank 156), S-112 (Tank 157), S-114 (Tank 159), S-115 (Tank 160), S-122 (Tank 167), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-150 (Tank 241), S-151 (Tank 242), S-177 (Tank 287), S-178 (Tank 288), S-186 (Tank 298), S-254 (Tank 1001), S-255 (Tank 1002), S-256

	(1ANK 1003), S-259 (1ANK 1006)		
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance - External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256

	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
63.646(f)(2)	Rim space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		

Table IV – B13 Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256

	(TAIR 1005); 5-255 (TAIR 1000)		
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirementsstorage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping RequirementsOther reports Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping RequirementsOther reports Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping RequirementsOther reports Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vesselsRecord retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-97, S-100, S-110, S-111, S-112, S-114, S-115, S-122, S-123, S-128, S-177, S-186, S-254, S-255, S-256, S-259	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-129, S-150, S-151, S-178	Y	

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

Applicable	Regulation Title or	Federally Enforceabl	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/11)	Date
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
0 0 111.1	Notification	-	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
	in compliance prior to notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Satisfy requirements of 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	Y	
	notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
	Minimize emissions		
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
	requirements		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

1101 0	KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 209)	INK 210)
	liquid surface	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirementsprojection below liquid surface	Y
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirementscover, seal, or lid	Y
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirementsgap between well and roof	Y
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y
8-5-321	Primary Seal Requirements	Y
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-geometry of shoe	Y
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-welded tanks	Y
8-5-322	Secondary Seal Requirements	Y
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y
8-5-328	Tank Degassing Requirements	Y
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y
8-5-404	Certification	Y
8-5-405	Information Required	Y
8-5-501	Records	Y
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
•	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid	37	
40 CFR	Storage Vessel Provisions Reference Control Technology-	Y	
63.119(c)(3)(i) 40 CFR	External floating roofMust float on liquid except during initial fill	Y	
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely	Y	
03.119(0)(3)(11)	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	1	
05.115(0)(5)(111)	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)	External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(i)	External FR with double seals - primary seal gap measurement – 5		
10.000	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement –		
40 CEP	annual requirement Storage Vessel Provisions Procedures to Determine Compliance	Y	
40 CFR 63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP	I	
03.120(0)(1)(1)	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)	External FR seal gap determination methods	·	
	11 Sam Dab assessment memory		

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

	5 KA - S-341 (TANK 200), S-342 (TANK 209), S-343 (TA		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on		
40 CED	legs	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total		
	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(4)	External FR secondary seal gap calculation method – total surface		
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)	External FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(i)	External FR primary seal additional requirements – metallic shoe		
. , , , , ,	seal – shoe geometry		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,		
	or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)	External FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or	_	
***************************************	openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank	•	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank	1	
03.120(0)(7)(1)	- complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank	1	
03.120(0)(7)(11)	- empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
40 CED	use extension must be documented.	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	External FR Repairs must be made within 45 days after		
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

	must be documented.	Í	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day		
	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS ALSO SUBJECT TO NSPS K OR Ka		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	**	
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(5)			
1	Storage Vessels— Group 1 vessel also subject to NSPS K or Ka		
40 CED (2 (4(())	only subject to 40 CFR 63 Subpart CC	V	
40 CFR 63.646(a)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1	Y	
40 CFR	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y Y	
40 CFR 63.646(b)(1)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(1) 40 CFR	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-		
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y Y	
40 CFR 63.646(b)(1) 40 CFR	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel ProvisionsReferences	Y Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c) 40 CFR 63.646(d) 40 CFR	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c) 40 CFR 63.646(d) 40 CFR 63.646(d)(2)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel ProvisionsReferences Storage Vessel ProvisionsReferences to April 22,1994	Y Y Y Y Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c) 40 CFR 63.646(d) 40 CFR 63.646(d)(2) 40 CFR	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel ProvisionsReferences	Y Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c) 40 CFR 63.646(d) 40 CFR 63.646(d)(2) 40 CFR 63.646(d)(3)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel ProvisionsReferences Storage Vessel ProvisionsReferences to April 22,1994 Storage Vessel ProvisionsReferences to December 31, 1992	Y Y Y Y Y Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c) 40 CFR 63.646(d)(2) 40 CFR 63.646(d)(3) 40 CFR	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel ProvisionsReferences Storage Vessel ProvisionsReferences to April 22,1994 Storage Vessel ProvisionsReferences to December 31, 1992	Y Y Y Y Y Y Y	
40 CFR 63.646(b)(1) 40 CFR 63.646(b)(2) 40 CFR 63.646(c) 40 CFR 63.646(d) 40 CFR 63.646(d)(2) 40 CFR 63.646(d)(3)	only subject to 40 CFR 63 Subpart CC Storage Vessel ProvisionsGroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel ProvisionsReferences Storage Vessel ProvisionsReferences to April 22,1994 Storage Vessel ProvisionsReferences to December 31, 1992	Y Y Y Y Y Y Y Y	

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

NSPS	KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TA	ANK 210)	
	required to comply with provisions for gaskets, slotted membranes, and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR 03.040(1)	Storage Vessel Provisions—Group 1 floating roof requirements—	Y	
63.646(f)(1)	Covers or lids closed except when in use	1	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements	1	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
40 CFR	source] Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs	1	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal	1	
03.034(g)(3)(1)	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation	1	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	

Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

Y	
Y	
Y	
Y	
Y	
Y	
Y	
N	
Y	.
	Y Y Y N

Table IV – B15 Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

Applicable Requirement BAAQMD Regulation 8, Rule 5	Regulation Title or Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS	Federally Enforceabl e (Y/N)	Future Effective Date
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	

Table IV – B15 Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

	Notice of the ABCO Teledone and Continu	1
	Notice to the APCO; Telephone notification	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y
	Compliance before notification	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use	Y
	of vapor recovery	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y
	Minimization of emissions	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y
	Written notice of completion not required	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y
	Compliance with Section 8-5-328	
8-5-112	Limited Exemption, Tanks in Operation	Y
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	Y
	prior notification	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y
	Telephone notification	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification	Y
	before commencement of work	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y
	minimization of emissions	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7	Y
	days	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y
	floating roof, or approved emission control system)	
8-5-303	Requirements for Pressure Vacuum Valves	Y
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y
8-5-306	Requirements for Approved Emission Control Systems	Y
8-5-328	Tank Degassing Requirements	Y
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y
0 0 020.1.2	Concentration of <10,000 ppm as methane after degassing	•
8-5-328.2	Tank degassingrequirements; Ozone excess day prohibition	Y
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y
8-5-404	Certification	Y
8-5-501	Records	Y
8-5-501.1		Y
8-3-301.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	
8-5-503	Portable hydrocarbon detector	Y
8-5-602	Analysis of Samples, True Vapor Pressure	Y
8-5-603	Determination of emissions	Y
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y
8-5-604	Determination of Applicability	Y
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y

Table IV – B15 Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
NSPS Title 40	NSPS Subpart K for Tanks (4/4/1980)		
Part 60 Subpart K	EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM		
	LIQUIDS (Applicable to S-139 only)		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD			
Condition 13184	APPLICABLE TO S-182		
	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
Part 1	Increase]		
BAAQMD	Throughput limits for sources S-139, S-140	N	
Condition 20989,			
Part A			

Table IV – B16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

	S-133 (TANK 193)	Federally	
		Enforceabl	Future
Applicable	Regulation Title or	e	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8 Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
8-3-111.1.1		Y	
8-5-111.1.2	Notification, 3 day prior notification Limited Exemption, Tank Removal From and Return to Service,	Y	
8-3-111.1.2		Y	
8-5-111.2	Notification, Telephone notification Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
0-3-111.2	in compliance prior to notification	1	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-3-111.5	Floating roof tanks	1	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-3-111.3	Minimize emissions	1	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice	Y	
0 0 111.0	of completion not required	1	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Satisfy requirements of 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	Y	
	notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
	Minimize emissions		
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
	requirements		

	S-133 (TANK 193)		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirementsprojection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirementscover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirementsgap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirementswelded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	

	5-133 (TANK 193)		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)	_	
Regulation 8,	(6/15/1994)		
Rule 8	REQUIREMENTS FOR SLOP OIL VESSELS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and	Y	
	Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-		
	8-302, 8-8-306, 8-8-308		
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil	Y	
	Vessels	-	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil	Y	
	Vessels – fixed cover requirements		
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	-	
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely		
	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
10 GPP	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	

	S-133 (TANK 193)		
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)	External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(i)	External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)	External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on		
	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total		
	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(4)	External FR secondary seal gap calculation method – total surface		
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)	External FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(i)	External FR primary seal additional requirements – metallic shoe		
40 CEP	seal – shoe geometry	3.7	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,		
40 CED	or openings	3.7	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)	External FR secondary seal requirements	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent	3.7	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or		
40 CED	openings Stanga Vascal Provisions - Procedures to Determine Compliance	V	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	L

63.120(b)(7) External FR unsafe to perform seal measurements or inspect the tank	
63.120(b)(7)(i) External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii) 40 CFR Storage Vessel Provisions Procedures to Determine Compliance- External FR unsafe to perform seal measurements or inspect the tank - empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented. 40 CFR Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented. 40 CFR Storage Vessel Provisions Procedures to Determine Compliance Ty External FR seal gap measurement 30 day notification 40 CFR Storage Vessel Provisions Procedures to Determine Compliance Ty External FR seal gap measurement 30 day notification 40 CFR Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification Y External FR and seals visual inspection each time emptied	
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63.120(b)(10) External FR and seals visual inspection each time emptied	
40 CFK Storage vesser Provisions Procedures to Determine Compitance 1	
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defects before refilling [does not apply to gaskets, slotted	
membranes, or sleeve seals for Group 1 Refinery MACT tanks per	
40 CFR 63.646(e)]	
40 CFR Storage Vessel Provisions Procedures to Determine Compliance Y	
63.120(b)(10)(ii) External FR and seal visual inspection each time emptied – 30 day	
notification 40 CFR Storage Vessel Provisions Procedures to Determine Compliance Y	
63.120(b)(10)(iii) External FR and seal visual inspection each time emptied —	
Notification for unplanned	
40 CFR 63.123(a) Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	
storage vessel dimensions and capacity. Keep for life of source.	
40 CFR 63.123(d) Storage Vessel Provisions RecordkeepingGroup 1 External Y	
floating roof tank requirements - records of seal gap measurements	
(date, raw data, and required calculations)	
40 CFR 63.123(g) Storage Vessel Provisions Recordkeeping, Extensions for Y	
emptying storage vessel – keep documentation specified	
NESHAPS Title 40 NESHAPS for Petroleum Refineries (06/12/1996)	
Part 63 Subpart REQUIREMENTS FOR EXTERNAL FLOATING ROOF	
CC TANKS	
40 CFR Applicability and Designation of Storage Vessels Y	
63.640(c)(2)	
40 CFR 63.646(a) Storage Vessel ProvisionsGroup 1 Y	
40 CFR Storage Vessel ProvisionsDetermine stored liquid % OHAP for Y	
63.646(b)(1) group determination	
40 CFR Storage Vessel ProvisionsDetermine stored liquid % OHAP- Y	
63.646(b)(2) method 18 to resolve disputes	
40 CFR 63.646(c) Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for Y	

	5-133 (TANK 193)		
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements	-	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
63.646(f)(3)	Automatic bleeder vents requirements	•	
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
10 C1 K 05.0 10(1)	notification requirements	1	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 C1 K 05.054(1)	status report requirements	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirementsReportingstorage vessels	1	
63.654(f)(1)(i)(A)(1)		V	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
40 CED	source]	3.7	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs	7.7	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		

Table IV – B16 Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S-133 (TANK 193)

	9-155 (TANK 175)		
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vesselsRecord retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-133	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	

	S-340 (TANK 108)		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	

	5-340 (TANK 100)		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	-geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	-welded tanks		
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y	
	secondary seal is not a zero-gap seal as defined in 8-5-322.5)		
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal	Y	
	installed after September 4, 1985 (becomes applicable when		
	secondary seal is considered newly installed and subject to zero-		
	gap seal gap requirements)		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks;	Y	
	Primary and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain	Y	
	24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Group 1, TVP < 76.6 kPa	77	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
40 CEP	External floating roof	**	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	

	S-340 (TANK 108)		
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
		ĭ	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after		
	completely emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	-	
05.115(0)(0)(111)	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating	1	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine	Y	
40 CFK 03.120(0)		ĭ	
40 CED	ComplianceCompliance DemonstrationExternal floating roof	37	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)	ComplianceExternal FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(i)	ComplianceExternal FR with double seals - primary seal gap		
	measurement – 5 year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(iii)	ComplianceExternal FR with double seals - secondary seal gap		
	measurement – annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(iv)	ComplianceExternal FR seal inspections prior to tank refill with		
	organic HAP after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)	ComplianceExternal FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(i)	ComplianceExternal FR seal gap determination methods – roof		
05.120(0)(2)(1)	not resting on legs		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(ii)	ComplianceExternal FR seal gap determination methods –	1	
03.120(0)(2)(11)	measure gaps around entire circumference of seal and measure		
	width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(iii)	ComplianceExternal FR seal gap determination methods –	1	
03.120(0)(2)(111)	determine total surface area of each gap		
40 CED	Č 1	V	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(3)	ComplianceExternal FR primary seal gap calculation method –		
	total surface area of primary seal gaps <= 212 cm2 per meter of		
	vessel diameter. Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(4)	ComplianceExternal FR secondary seal gap calculation method		
	- total surface area of secondary seal gaps <= 21.2 cm2 per meter		

	S-340 (TANK 100)		
	of vessel diameter. Maximum width <= 1.27 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)	ComplianceExternal FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)(i)	ComplianceExternal FR primary seal additional requirements –		
. , , , , ,	metallic shoe seal – shoe geometry		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)(ii)	ComplianceExternal FR primary seal additional requirements –		
()()()	no holes, tears, or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)	ComplianceExternal FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)(i)	ComplianceExternal FR secondary seal requirements – location		
	and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)(ii)	ComplianceExternal FR secondary seal requirements - no holes,		
	tears or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)	ComplianceExternal FR unsafe to perform seal measurements or		
()()	inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)(i)	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank – complete measurements or inspection within 30		
	days after determining roof is unsafe or comply with 40 CFR		
	63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)(ii)	ComplianceExternal FR unsafe to perform seal measurements or		
()()()	inspect the tank – empty and remove vessel from service within		
	45 days after determining roof is unsafe or comply with 40 CFR		
	63.120(b)(7)(i). Two 30 day extensions are allowed to empty the		
	tank. Decision to use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(8)	Compliance External FR Repairs must be made within 45 days		
	after identification or empty and remove tank from service. Two		
	30 day extensions are allowed to empty the tank. Decision to use		
	extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(9)	Compliance External FR seal gap measurement 30 day		
	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)	ComplianceExternal FR and seals visual inspection each time		
	emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)(i)	ComplianceExternal FR and seal visual inspection each time		
	emptied – Repair defects before refilling [does not apply to		
	gaskets, slotted membranes, or sleeve seals for Group 1 Refinery		
	MACT tanks per 40 CFR 63.646(e)]		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)(ii)	Compliance External FR and seal visual inspection each time		

	5-340 (TANK 100)		
	emptied – 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)(iii)	Compliance External FR and seal visual inspection each time		
	emptiedNotification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group	Y	
	2 storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap		
	measurements (date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS ALSO SUBJECT TO NSPS K or Ka		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(5)	Storage Vessels— Group 1 vessel also subject to NSPS K or Ka		
	only subject to 40 CFR 63 Subpart CC		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
,	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted		
	membranes, and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
63.646(f)(2)	Rim space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements	-	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of	Y	
.5 0111 05.05 1(1)	compliance status report requirements	•	
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
		-	

	5-540 (TANK 100)		
63.654(f)(1)	compliance status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)	compliance status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)(A)	compliance status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)(A)(1	compliance status report requirementsReportingstorage vessels		
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
(5)()	sleeve seals not required for storage vessels that are part of		
	existing source]		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
(5)()()	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)	Storage vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(i)	Storage vessel notification of inspections – refilling Group 1		
	storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel		
	seal gap measurements – 30 day notification [can be waived or		
	modified by state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123		
	(Subpart G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels– keep records specified in 40 CFR 63.123		
	(Subpart G) except records related to gaskets, slotted membranes,		
	and sleeve seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
3.00 (-)(.)	storage vesselsRecord retention – 5 years		
NSPS Title 40	NSPS Subpart Ka for Tanks (12/14/2000)		
Part 60 Subpart	· · · · · · · · · · · · · · · · · · ·		
Ka			
40 CFR 60.110a(a)	Applicability and Designation of Affected Facility	Y	
	1 11 7 7 7		

Table IV – B17 Source-Specific Applicable Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S-340 (TANK 108)

BAAQMD	Throughput limits for sources S-340	Y	
Condition 20989,			
Part A			

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS	***	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

	5-105 (TANK 275), 5-104 (TANK 270), 5-201 (TANK 101	<i>u</i>	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y	
- · · · ·	m 2 Onka (akk		

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

secondary seal is not zero-gan seal as defined in 8 5 200 5)		
•	37	
	Y	
	V	
	1	
	Y	
	1	
	Y	
	Y	
Certification	Y	
	Y	
Records		
Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	
months		
Records; Internal and External Floating Roof Tanks; Seal	Y	
Replacement Records – Retain 10 years		
Portable hydrocarbon detector	Y	
Analysis of Samples, True Vapor Pressure	Y	
Determination of Applicability	Y	
Pressure-Vacuum Valve Gas Tight Determination (applicable to S-	Y	
107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))		
SOCMI HON G (01/27/1995)		
-	Y	
	37	
	Y	
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	V	
	1	
Storage Vessel Provisions Reference Control Technology	Y	
	Y	
External floating roof seal requirements		
	Information required Records Records; Type and amounts of liquid; true vapor pressure; Retain 24 months Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years Portable hydrocarbon detector Analysis of Samples, True Vapor Pressure Determination of Applicability Pressure-Vacuum Valve Gas Tight Determination (applicable to S- 107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170)) SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS Storage Vessel Provisions Reference Control Technology -Group 1, TVP < 76.6 kPa Storage Vessel Provisions Reference Control Technology External floating roof Storage Vessel Provisions Reference Control Technology External floating roof seals Storage Vessel Provisions Reference Control Technology External floating roof double seals required Storage Vessel Provisions Reference Control Technology External floating roof double seals required Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements - metallic shoe or liquid-mounted Storage Vessel Provisions Reference Control Technology	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements) Secondary seal requirements; Extent of seal Y Tank degassing requirements; Tanks > 75 cubic meters Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Tank degassing requirements; Tanks > 75 cubic meters; Y Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections Inspection Requirements for Pressure Vacuum Valves (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170)) Certification Y Records; Type and amounts of liquid; true vapor pressure; Retain 24 Y Records; Type and amounts of liquid; true vapor pressure; Retain 24 Y Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years Portable hydrocarbon detector Y Analysis of Samples, True Vapor Pressure Y Determination of Applicability Y Pressure-Vacuum Valve Gas Tight Determination (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170)) SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS Storage Vessel Provisions Reference Control Technology External floating roof Storage Vessel Provisions Reference Control Technology External floating roof double seals requirements metallic shoe or liquid-mounted Storage Vessel P

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

	8-183 (TANK 295), 8-184 (TANK 296), 8-261 (TANK 10		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely		
	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology-	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)	External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(i)	External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)	External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on		
	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total		
	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(4)	External FR secondary seal gap calculation method – total surface		
(-)(-)	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(5)	External FR primary seal additional requirements	-	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(i)	External FR primary seal additional requirements – metallic shoe	•	
00.120(0)(0)(1)	Zine in primary sear additional requirements incume shoc		

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

	seal – shoe geometry	,	
40 CED	Storage Vessel Provisions Procedures to Determine Compliance	Y	
40 CFR		Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,		
	or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)	External FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or		
05.120(0)(0)(11)	openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
		1	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank	***	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank		
	- complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank		
	– empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
	use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	External FR Repairs must be made within 45 days after		
03.120(0)(0)	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
40 CEP	must be documented.	***	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day	1	
03.120(0)(10)(11)	notification		
40 CED		V	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

	Ctomes Vessel Descriptions Description Enterprises for		1
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)		_	
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F	-	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
10 C11(05.0 10(C)	inspection requirements of 40 CFR 63.120 of Subpart G – Not	•	
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use	-	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements	-	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
63.646(f)(3)	Automatic bleeder vents requirements	-	
40 CFR 63.646(l)	Storage Vessel ProvisionsState or local permitting agency	Y	
10 0110 05.0 (0)	notification requirements	-	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
10 61 10 05.05 1(1)	status report requirements	•	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels	1	
) (1)(1)(1)(A)(1	status report requirementsreportingstorage vessers		
10 CER 63 654(a)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g) 40 CFR	Periodic Reporting and Recordkeeping Requirements— Periodic Reporting and Recordkeeping Requirements—storage	Y	
TO CITA	remode reporting and recordreciping requirementsstorage	1	<u> </u>

Table IV – B18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
03.034(g)(1)	sleeve seals not required for storage vessels that are part of existing		
	source]		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
(8)(-)(-)	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for sources S-107, S-113, S-124, S-125, S-261	N	
Condition 20989,			
Part A			
BAAQMD	Throughput limits for sources S-183, S-184	Y	
Condition 20989,			
Part A			

	5-210 (TANK 075A)		Future
Applicable	D 1 4 700	Federally	
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	

	5-210 (TANK 0/5A)		
	seals, lids – Projection below surface except p/v valves and vacuum breaker vents		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.3	Primary seal requirements; Metallic shoe type seal requirements: Gaps for riveted tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps	Y	
8-5-322.4	Secondary seal requirements; Riveted tanks	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	

0.5.500	5-210 (TANK 075A)		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely		
	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)	External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(i)	External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement –		
10 GPP	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP		
10 GPP	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)	External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on		

40 CED	legs	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total		
	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(4)	External FR secondary seal gap calculation method – total surface		
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)	External FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(i)	External FR primary seal additional requirements – metallic shoe		
	seal – shoe geometry		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,		
() () ()	or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)	External FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or		
***************************************	openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank	•	
05.120(0)(7)(1)	- complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank	1	
03.120(0)(7)(11)	- empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
	use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
		I	
63.120(b)(8)	External FR Repairs must be made within 45 days after		
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
40 CED	must be documented.	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification		

	S-210 (TANK 095A)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
40 CED	40 CFR 63.646(e)]	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied —	1	
03.120(0)(10)(111)	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
40 CFR 03.123(a)	storage vessel dimensions and capacity. Keep for life of source.	1	
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
40 CFR 03.123(u)	floating roof tank requirements - records of seal gap measurements	1	
	(date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
40 C1 K 03.123(g)	emptying storage vessel – keep documentation specified	1	
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	11ppinouching and 2 obligation of Storage + observe		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
10 GPD (5 515)	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements-	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2) 40 CFR	space vents requirements Storage Vessel Provisions-Group 1 floating roof requirements	Y	
	L Storago Vaggal Brayigiang Liroup I floating root requirements	V	

	5-210 (TANK 075A)		
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
(6) (7)	sleeve seals not required for storage vessels that are part of existing		
	source		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
(6) (7) (7)	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap		
. , , , , ,	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels– keep records specified in 40 CFR 63.123 (Subpart		
,	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		

Table IV – B19 Source-Specific Applicable Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695A)

BAAQMD	Throughput limits for source S-216	N	
Condition 20989,			
Part A			

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	

8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
9.5.202	floating roof, or approved emission control system) Requirements for Pressure Vacuum Valves	Y	
8-5-303 8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
		Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when	Y	

	secondary seal is considered newly installed and subject to zero-gap		
0.5.000 (seal gap requirements)	**	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(6/15/1994)		
Rule 8	REQUIREMENTS FOR SLOP OIL VESSELS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa	-	
	1, 1 VI > /0.0 KI a	l	

	External floating roof		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or	-	
03.117(0)(1)(11)	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
		ı	
63.119(c)(3)	External floating roofMust float on liquid	3.7	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely		
	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	External FR seal gap measurement	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(i)	External FR with double seals - primary seal gap measurement – 5	1	
03.120(0)(1)(1)			
40 CED	year intervals	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)	External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on		
	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
(-)(-)	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total	•	
03.120(0)(2)(111)	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
40 CFK	Storage vesser Provisions Procedures to Determine Compilance-	I	

63.120(b)(3)	External FR primary seal gap calculation method – total surface area		
. , , ,	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(4)	External FR secondary seal gap calculation method – total surface		
03.120(0)(1)	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)	External FR primary seal additional requirements	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(i)	External FR primary seal additional requirements – metallic shoe	1	
03.120(0)(3)(1)	seal – shoe geometry		
40 CED		Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,		
	or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)	External FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or		
	openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank		
	 complete measurements or inspection within 30 days after 		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank		
	– empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
	use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	External FR Repairs must be made within 45 days after	-	
05.120(0)(0)	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
	must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
		1	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]		

40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day		
	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		

40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
(6)(7)	sleeve seals not required for storage vessels that are part of existing		
	source		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
(8)(-)(-)	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	•	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.	1	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.	1	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap	1	
05.054(11)(2)(11)	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)		1	
40 CFR	Determination of Applicability Reporting and Recordkeeping RequirementsOther reports	Y	
	Determination of Applicability	1	
63.654(h)(6)(ii)		V	
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
40 CED	G)	37	
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels– keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
40 CEP (2 (54(2)))	seals for vessels in existing sources	***	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for source S-134	N	
Condition 20989,			
Part A			

Table IV – B21 Source-Specific Applicable Requirements

EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S-91 (TANK 73), S-94 (TANK 78), S-98 (TANK 101), S-99 (TANK 102), S-103 (TANK 106), S-120 (TANK 165), S-130 (TANK 188), S-131 (TANK 189), S-132 (TANK 191), S-136 (TANK 201), S-137 (TANK 202), S-138 (TANK 203), S-141 (TANK 213), S-142 (TANK 214), S-143 (TANK 215), S-144 (TANK 216), S-145 (TANK 217), S-148 (TANK 231), S-149 (TANK 232), S-157 (TANK 252), S-162 (TANK 262), S-164 (TANK 264), S-165 (TANK 265), S-166 (TANK 266), S-167 (TANK 268), S-168 (TANK 269), S-169 (TANK 270), S-171 (TANK 273), S-172 (TANK 279), S-173 (TANK 280), S-174 (TANK 281), S-179 (TANK 291), S-180 (TANK 292), S-187 (TANK 299), S-191 (TANK 303), S-192 (TANK 304), S-202 (TANK 521), S-204 (TANK 528), S-205 (TANK 529), S-206 (TANK 530), S-207 (TANK 531), S-209 (TANK 674), S-224 (TANK 746), S-225 (TANK 747), S-226 (TANK 748), S-227 (TANK 749), S-228 (TANK 750), S-229 (TANK 751), S-230 (TANK 752), S-231 (TANK 753), S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1009), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

Future Federally Applicable Regulation Title or Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date BAAOMD · Organic Compounds, Storage of Organic Liquids (11/27/02) Regulation 8, **EXEMPT** Rule 5 8-5-117 Exemption, Low Vapor Pressure Y **NESHAPS Title** SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY 40 Part 63 Subpart G Y 40 CFR Storage Vessel Provisions – Reference Control Technology – Group 2 63.119(a)(3) storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a) Y 40 CFR 63.123(a) Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source. **NESHAPS Title** National Emission Standards for Hazardous Air Pollutants for 40 Part 63 Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY Subpart CC 40 CFR Applicability and Designation of Storage Vessels Y 63.640(c)(2)40 CFR Storage Vessel Provisions--Determine stored liquid % OHAP for group Y 63.646(b)(1) determination Storage Vessel Provisions--Determine stored liquid % OHAP-method Y 40 CFR 18 to resolve disputes 63.646(b)(2) 40 CFR Reporting and Recordkeeping Requirements--Other reports--Y 63.654(h)(6) Determination of Applicability Y 40 CFR Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability 63.654(h)(6)(ii)

Table IV – B21 Source-Specific Applicable Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S-91 (Tank 73), S-94 (Tank 78), S-98 (Tank 101), S-99 (Tank 102), S-103 (Tank 106), S-120 (Tank 165), S-130 (Tank 188), S-131 (Tank 189), S-132 (Tank 191), S-136 (Tank 201), S-137 (Tank 202), S-138 (Tank 203), S-141 (Tank 213), S-142 (Tank 214), S-143 (Tank 215), S-144 (Tank 216), S-145 (Tank 217), S-148 (Tank 231), S-149 (Tank 232), S-157 (Tank 252), S-162 (Tank 262), S-164 (Tank 264), S-165 (Tank 265), S-166 (Tank 266), S-167 (Tank 268), S-168 (Tank 269), S-169 (Tank 270), S-171 (Tank 273), S-172 (Tank 279), S-173 (Tank 280), S-174 (Tank 281), S-179 (Tank 291), S-180 (Tank 292), S-187 (Tank 299), S-191 (Tank 303), S-192 (Tank 304), S-202 (Tank 521), S-204 (Tank 528), S-205 (Tank 529), S-206 (Tank 530), S-207 (Tank 531), S-209 (Tank 674), S-224 (Tank 746), S-225 (Tank 747), S-226 (Tank 748), S-227 (Tank 749), S-228 (Tank 750), S-229 (Tank 751), S-230 (Tank 752), S-231 (Tank 753),

S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1009), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

	10 10); = 200 (10); = 20. (110); = 200 (1000)	1	_
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – Keep records specified in 40 CFR 63.123		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – Data and assumptions used to determine Group 2		
(iv)	classification		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B22 Source-Specific Applicable Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-158 (TANK 258), S-175 (TANK 284)

BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			

Table IV – B22 Source-Specific Applicable Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-158 (TANK 258), S-175 (TANK 284)

40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B23A Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
63.119(a)(3)	storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)		
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method	Y	
63.646(b)(2)	18 to resolve disputes		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	

Table IV – B23A Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – Keep records specified in 40 CFR 63.123		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(iv)	storage vessels – Data and assumptions used to determine Group 2		
	classification		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

2. Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceab le (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8 Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-3-111.1.1	Notification, 3 day prior notification	1	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-3-111.1.2	Notification, Telephone notification	1	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
0 3 111.2	in compliance prior to notification	•	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Floating roof tanks	-	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Satisfy requirements of 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	Y	
	notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
	Minimize emissions		
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	
0-3-320.2	liquid surface	I	
	iiquid surrace		ļ

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

	5 100 (1mm 100); 5 105 (1mm 101); 5 127 (1mm 17	<u> </u>	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
0.5.220.2.1		Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-3-320.4	requirements in floating roof tanks	1	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-3-320.4.1	requirementsprojection below liquid surface	ĭ	
8-5-320.4.2		Y	
8-3-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirementscover, seal, or lid	Y	
0.5.220.4.2		Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0.5.220.6	requirementsgap between well and roof	37	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y Y	
8-5-321	Primary Seal Requirements		
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
	geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
	welded tanks		
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks	Y	
	with seals installed after 9/4/1985 or welded internal floating roof		
	tanks with seals installed after 2/1/1993		
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
	Emission Control System		
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP -	Y	
	Retain 24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	Y	

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	1	
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Tare of Subpare G	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after	1	
03.119(0)(3)(11)	completely emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	•	
(0)(0)(11)	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	-External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(i)	-External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iii)	-External FR with double seals - secondary seal gap measurement –		
40 GTD	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iv)	-External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2) 40 CFR	-External FR seal gap determination methods Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	-External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).	Y	

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

	10)	
* *		
	37	
	Y	
	37	
	Y	
	Y	
	Y	
	Y	
•		
	Y	
	Y	
storage vessel dimensions and capacity. Keep for life of source.		
	Y	
(date, raw data, and required calculations)		
Storage Vessel Provisions Recordkeeping, Extensions for	Y	
emptying storage vessel – keep documentation specified		
NESHAPS for Petroleum Refineries (06/12/1996)		
REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
TANKS		
Applicability and Designation of Storage Vessels	Y	
Storage Vessel ProvisionsGroup 1	Y	
Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
group determination		
	Y	
Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	Y	
Storage Vessel ProvisionsReferences to April 22,1994	Y	
	-	
Storage Vessel ProvisionsReferences to December 31, 1992	Y	
	Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented. Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented. Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification Storage Vessel Provisions Procedures to Determine Compliance-External FR and seals visual inspection each time emptied. Storage Vessel Provisions Procedures to Determine Compliance-External FR and seal visual inspection each time emptied - Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)] Storage Vessel Provisions Procedures to Determine Compliance-External FR and seal visual inspection each time emptied - 30 day notification Storage Vessel Provisions Procedures to Determine Compliance-External FR and seal visual inspection each time emptied Notification for unplanned Storage Vessel Provisions Procedures to Determine Compliance-External FR and seal visual inspection each time emptied Notification for unplanned Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage Vessel Provisions RecordkeepingGroup 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations) Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel - keep documentation specified NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS Applicability and Designation of Storage Vessels Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions40 CFR 63 Subpart G exclusions for storage Vessel Provisions40 CFR 63 Subpart G exclusions for s	use extension must be documented. Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented. Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification Storage Vessel Provisions Procedures to Determine Compliance- External FR and seals visual inspection each time emptied Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)] Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied 30 day notification Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied 30 day notification Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied 30 day notification Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 Storage Vessel Provisions RecordkeepingGroup 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations) Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel - keep documentation specified NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS Applicability and Designation of Storage Vessels Y Storage Vessel ProvisionsDetermine stored liquid % OHAP- method 18 to resolve disputes Storage Vessel Provisions4 CFR 63 Subpart G exclusions for storage Vessel Provisions40 CFR 63 Subpart G exclusions for storage Vessel Frovisions40 CFR 63.119(c)(2)] Storage Vessel Provis

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F	1	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
10 6116 05.010(6)	inspection requirements of 40 CFR 63.120 of Subpart G – Not	1	
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements-	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
63.646(f)(2)	Rim space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
10 GPP	source]		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs	7.7	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
40 CED	gap measurement	37	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	Y	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	I	
63.654(h)(2)	Storage vessel notification of inspections.	V	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(i)	Storage vessel notification of inspections – refilling Group 1 storage vessel.		
40 CED		Y	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	I	

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].		
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels- keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vesselsRecord retention – 5 years	Y	

2. Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

Table IV – B24
Source-Specific Applicable Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-90 (TANK 67), S-105 (TANK 129)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
Regulation 8, Rule 5	EAEWIPI		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	1	
Part 63 Subpart G	` '		
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
63.119(a)(3)	storage vessels comply only with recordkeeping requirements in 40		
	CFR 63.123(a)		
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
	only required to keep tank dimensions and capacity analysis. Retain		

Table IV – B24 Source-Specific Applicable Requirements NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S-90 (TANK 67), S-105 (TANK 129)

	for life of source.		
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.640(n)	Applicability and Designation of Affected Source Overlap for Storage Vessels	Y	
40 CFR 63.640(n)(7)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Group 2 storage vessel subject to NSPS K or Ka but exempt from control requirements of NSPS K or Ka is required to comply only with 40 CFR 63 Subpart CC	Y	
40 CFR 63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1) (iv)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping RequirementsRecordkeepingRecord retention – 5 years	Y	
NSPS Title 40 Part 60 Subpart K	NSPS Subpart K for Tanks (4/4/1980)		
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40 CFR	Applicability and Designation of Affected Facility>65,000 gal after	Y	
60.110(c)(2)	6/11/1973 and before 5/19/1978.		
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR PRESSURE TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	

Table IV – B25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

`	ANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253		<u>') </u>
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; blanket gas; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	EXEMPTION FOR PRESSURE TANKS		
Kb	(applies to S-188 only)		
40 CFR	Exemption for pressure vessels designed to operate in excess of 204.9	Y	
60.110b(d)(2)	kPa and without emissions to the atmosphere.		

Table IV – B26 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF TANKS VENTED TO FUEL GAS S-135 (TANK 200)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR TANKS VENTED TO FUEL GAS		
	SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			

Table IV – B26 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF TANKS VENTED TO FUEL GAS S-135 (TANK 200)

	5-135 (TANK 200)		
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B27 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR EMISSION POINTS ROUTED TO		
	FUEL GAS		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with	Y	
	petroleum refining process units meeting the criteria of section		
	63.640(a)		
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
			ĺ

Table IV – B27 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

NSPS Title 40 Part	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	Wastewater Systems		
oo Subpart QQQ	REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO		
	FUEL GAS		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated	Y	
	equipment are routed to a process (e.g., petroleum refinery fuel gas		
	system), the process shall not be considered a closed vent system		
	and is not subject to the closed vent system standards.		
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(1)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(2)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(3)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(4)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)	Charles In Oil Water Consent on Carl Taratage and In	37	
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y Y	
40 CFR 60.692-6(b) 40 CFR 60.697	Standards: Delay of Repair Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1) 40 CFR 60.697(e)(2)	Recordkeeping Requirements Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2) 40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3) 40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4) 40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1) 40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)	1	
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984	•	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for	Y	
	storage vessels > or = to 75 cu m		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	

Table IV – B27 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition			
20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B28 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
NSPS Title 40 Part	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	Wastewater Systems REQUIREMENTS FOR FIXED ROOF TANKS NOT ROUTED TO FUEL GAS		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	

Table IV – B28 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(1)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(2)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(3)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(4)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)			
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for	Y	
	storage vessels > or = to 75 cu m		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)			
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
	variable composition)		
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
- 32 -	Togulation 2 0 107.2	•	1, 0 1

Table IV – B29 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF TANK TANK 224

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKKS ALSO SUBJECT TO NSPS		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage VesselsExisting Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
NSPS Title 40 Part 60 Subpart Kb	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

IV. Source Specific Applicable Requirements

Table IV – B30 Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
NSPS Title 40 Part 60 Subpart K	NSPS Subpart K for Tanks (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

CONDITION 383

APPLICATIONS 30417/15852; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-350

- 1a. Sulfur content of crude processed in Crude Unit #267 (S-350) shall not exceed 1.5 weight%. [Cumulative Increase]
- 1b. The crude feed to S-350 shall be sampled and analyzed to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S-350 feed tanks. [Cumulative Increase]
- 2. Crude Unit #267 (S-350) feed rate shall not exceed 30,000 bbl per day on a 12 month rolling average basis. Crude Unit #267 feed rate shall never exceed 33,000 bbl on any calendar day. The 33,000 bbl/day limit and 30,000 bbl/day 12 month rolling average limit are absolute limits and may not be corrected for instrument error. [Cumulative Increase]
- 3a. Monthly records of "calendar day" throughput and "12 month rolling average" throughput shall be maintained in a District-approved log. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 3b. Sulfur content analyses required by Part 1b shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 476

- A. Definitions And Abbreviations (Partial)
 - 1. Start-up: that period of time during which the piece of equipment in question is put into normal operation from an inactive status by following a prescribed series of separate steps or operations.
 - 2. Shutdown: that period of time during which the piece of equipment in question is taken out of service from a normal operating mode to an inactive status following a prescribed series of separate steps or operations.
 - 3. Annual average basis: an average daily amount determined by dividing a 12 month

VI. Permit Conditions

running total by 365.

- 4. ppmdv: parts per million dry volume.
- 5. C5/C6: petroleum products containing pentane, hexane and cyclic compounds.

[Definitions]

B. Operations

1. The total charging rate to S-300, Coking Unit 200, shall not exceed 56,000 barrels per any day. The annualized daily average shall not exceed 52,000 barrels.

[Cumulative Increase]

C. Reporting And Recordkeeping

1. A file shall be maintained which contains (1) all measurements, records, charts and other data which must be collected pursuant to the provisions of this conditional permit and (2) such other data and calculations necessary to determine actual emissions from emission points covered by this permit. This file (which may contain confidential or proprietary data) shall include, but not be limited to: records of quantities of crude oil and other hydrocarbons processed on an actual daily basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or other data are made or recorded.

[BACT, Cumulative Increase]

- 2. Each month, within 30 days of the end of the month an operational report shall be made to the APCO. Each monthly report shall include the following information for the month being reported:
 - a. S-300 Coking Unit 200 daily charging rate for all feed streams

[BACT, Cumulative Increase]

D. Miscellaneous

1. Compliance with the annual average basis limits set forth in Section B shall be determined monthly based on the information contained in the operational reports submitted pursuant to Section C.2 above for the previous twelve months.

[BACT, Cumulative Increase]

CONDITION 1440

APPLICATIONS 483/5504; SAN FRANCISCO REFINERY; PLANT 16

CONDITIONS FOR S-324, S-381, S-382, S-383, S-384, S-385, S-386, S-387, S-390, S-392, S-400, S-401 S-1007, S-1008, S-1009

1. S-324 API Separator shall be operated such that the liquid in the main separator basin is in full

contact with fixed concrete roof. This condition shall not apply during separator shutdown for maintenance. [Cumulative Increase]

- Diversions of refinery wastewater around the Water Effluent Treating Facility to the open Storm Water Basins (S-1008, S-1009) shall be minimized. These diversions shall not cause a nuisance as defined in District Regulation 7 or Regulation 1-301. [Cumulative Increase]
- 3. Records shall be maintained of each incident in which refinery wastewater is diverted to the open storm water basins. These records shall include the reason for the diversion, the total quantity of wastewater diverted to the basins, and the approximate hydrocarbon content of the water.

 [Cumulative Increase]
- 4. The following sources shall have no detectable VOC emissions ("no detectable VOC emissions" is defined according to EPA Test Method 21 as less than 500 ppm above background levels):
 - a. Doors, hatches, covers, and other openings on the S-324 API Separator, forebay, outlet basin, and channel to the S-1007 DAF Unit.
 - b. Doors, hatches, covers, and other openings on the S-1007 DAF Unit and the S-400 Wet and S-401 Dry Weather Sumps, except for the vent opening on these units.
 - c. Any open process vessel, distribution box, tank, or other equipment downstream of the S-1007 DAF Unit (S-381, S-382, S-383, S-384, S-385, S-386, S-387, S-390, S-392). [Cumulative Increase]
- 5. Compliance with the VOC emission criteria of Part 4 shall be determined every 6 months and records kept of each inspection. These records shall be made available to District personnel upon request. [Cumulative Increase]
- 6. The maximum wastewater throughput at the S-324 API Separator and S-1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for each unit. Any modifications to equipment at this facility which increase the annual average waste water throughput at S-324 and S-1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

CONDITION 1694

APPLICATION 18623; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR COMBUSTION SOURCES AND SO2 CAP, EXCEPT FOR GAS TURBINES AND DUCT BURNERS

- A. Heater Firing Rate Limits and General Requirements
- 1. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel) which are considered maximum sustainable firing

rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source Number	Refinery ID <u>Number</u>	Daily Firing Limit (MM BTU/day)	Hourly Firing Rate (MM BTU/hr)
· · · · · · · · · · · · · · · · · · ·			-
S-2	U229/B301	528	22
S-3	U230/B201	1,488	62
S-4	U231/B101	2,304	96
S-5	U231/B102	2,496	104
S-7	U231/B103	1,536	64
S-8	U240/B1	6,144	256
S-9	U240/B2	1,464	61
S-10	U240/B101	5,352	223
S-11	U240/B201	2,592	108
S-12	U240/B202	1,008	42
S-13	U240/B301	4,656	194
S-14	U240/B401	13,344	556
S-15 thru S19	U244/B501 thru B5	05 5,754	239.75
S-20	U244/B506	552	23
S-21	U244/B507	194.4	8.1
S-22	U248/B606	744	31
S-29	U200/B5	2,472	103
S-30	U200/B101	1,200	50
S-31	U200/B501	480	20
S-43	U200/B202	5,520	230
S-44	U200/B201	1,104	46
S-336	U231/B104	2,664	111
S-337	U231/B105	816	34
S-351	U267	2,424	101
S-371/372	U228/B520 and B52	-	58
S-438	U110	5,040	210
		•	[Regulation 2-1-234.3]

2a. All sources shall use only refinery fuel gas and natural gas as fuel, EXCEPT for S-438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S-3 and S-7 which may also use naphtha fuel.

[Regulation 9-1-304 (sulfur content), Regulation 2, Rule 1]

2b. Sources S-3 and S-7 are permitted to use liquid fuel. These sources shall be monitored for visible emissions during tube cleaning during daylight hours. If any visible emissions are detected when the operation commences, corrective action shall be taken within one day, and monitoring shall be performed after the corrective action is taken. If no visible emissions are detected, monitoring shall be performed on an hourly basis. [Regulation 2-6-409.2]

Facility Name: ConocoPhillips Company – San Francisco Refinery

Permit for Facility #: A0016

VI. Permit Conditions

- 2c. Sources S-3 and S-7 are permitted to use liquid fuel. These sources shall be monitored for visible emissions before each 1 million gallons of liquid fuel is combusted at each source. If an inspection documents visible emissions, a Method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the specific unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2].
- 3a. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration. [SO2 Bubble]
- 3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]
- Emissions of SO2 shall not exceed 1,558 lb/day on a monthly average basis from noncogeneration sources burning fuel gas, fuel oil or diesel fuel. [SO2 Bubble]
- The following records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:
 - a. Daily and monthly records of the type and amount of fuel combusted at each source listed in Part A.1. [Regulation 2, Rule 1]

b. TRS sample results as required by Part A.3

[SO2 Bubble]

c. SO2 emissions as required by Part A.4

[SO2 Bubble]

d. The operator shall keep records of all visible emission monitoring required by Part 2b, shall identify the person performing the monitoring and shall describe all corrective actions taken.

[Regulation 2-6-409.2]

e. The operator shall keep records of all visible emission monitoring required by Part 2c, of the results of required visual monitoring and Method 9 evaluations on these sources, shall identify the person performing the monitoring and shall describe all corrective actions taken.

[Regulation 2-6-409.2]

B. S-351 PREHEATER

1. The S-351 heater shall be abated by the A-6 SCR unit at all times.

[BACT, Cumulative Increase]

2. The concentration of NOx from S-351 shall not exceed 20 ppmv @ 3% oxygen, dry, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period which

shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]

- 3. The following instruments shall be installed and maintained to demonstrate compliance with Part 2:
 - a. continuous NOx analyzer/recorder
 - b. continuous O2 or CO analyzer/recorder [BACT, Cumulative Increase]

C S-371 AND S-372 FURNACES

- 1. The S-371 furnace shall be abated by the A-16 SCR unit at all times. The S-372 furnace shall be abated by the A-17 SCR unit at all times. [BACT, Cumulative Increase]
- 2. The concentration of NOx from S-371 and S-372 shall not exceed 20 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]
- 3. The concentration of CO emissions from S-371 and S-372 shall not exceed 50 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period, which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- D. S-43 Coking Furnace (Unit 200 B-202) and S-44 (Unit 200 B-201 PCT Reboil Furnace)
 - 1. Nitrogen oxide emissions from the S-43 Coking Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A-4. [BACT, Cumulative Increase]
 - 2. The nitrogen oxides in the flue gases for S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 40 ppmdv corrected to 3% oxygen, dry, over any consecutive 8 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a

VI. Permit Conditions

shutdown period which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- 3. The carbon monoxide in the flue gas for S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 50 ppmdv corrected to 3% oxygen averaged over any calendar month. This condition shall not apply during start-up and shutdown.

 [BACT, Cumulative Increase]
- 4. Instruments shall be installed and operated to continuously monitor the percentage of oxygen and the concentration of nitrogen oxides from the following sources: S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace.

 [BACT]
- E S-438 FURNACE
- 1. The S-438 furnace shall be abated by the A-46 SCR unit at all times.

 [BACT, Cumulative Increase]
- 2. Total fuel fired in S-438 shall not exceed 2.04 E 12 BTU in any rolling consecutive 365 day period. [Cumulative Increase]
- 3. Pressure swing adsorption (PSA) off gas used as fuel at S-438 shall not exceed 1.0 ppm (by weight) total reduced sulfur (TRS). TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [BACT, Cumulative Increase]
- 4. The following emission concentration limits from S-438 shall not be exceeded. These limits shall not apply during startup periods not exceeding 24 hours (72 hours when drying refractory or during the first startup following catalyst replacement) and shutdown periods not exceeding 24 hours. The District may approve other startup and shutdown durations.

NOx: 10 ppmv @ 3% oxygen, averaged over any 3 hour period CO: 32 ppmv @ 3% oxygen, averaged over any calendar day

[BACT, Cumulative Increase]

- 5. The concentration of TRS in the blended fuel gas shall not exceed 50 ppmv averaged over any calendar month. [BACT, Cumulative Increase]
- 6. Daily records of the type and amount of fuel combusted at S-438 and of the TRS and hydrogen sulfide concentration in the blended fuel gas, and monthly records of average blended fuel gas TRS concentration, shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]
- F. S-2, S-3, S-4, S-5, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-14 Heaters
- 1. Total fuel firing at Unit 240 (S-8, S-9, S-10, S-11, S-12, S-13, S-14) shall not exceed 993.7 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]

Facility Name: ConocoPhillips Company – San Francisco Refinery

Permit for Facility #: A0016

VI. Permit Conditions

2. Total fuel fired at the MP-30 Complex, including Unit 229 (S-2), Unit 230 (S-3) and Unit 231 (S-4, S-5, S-7) shall not exceed 346.5 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]

3. Monthly records of the fuel fired at sources in Parts 1 and 2 shall be kept in a District-approved log for at least 5 years and shall be made available the District upon request.

[Recordkeeping]

CONDITION 1860

APPLICATION 1660, SAN FRANCISCO REFINERY, PLANT 16 CONDITIONS FOR S-388,

- 1. Tank T-276 and mixer F-205 (S-388) shall be gas-tight, with no detectable emissions. "Detectable Emissions" shall be defined as organic concentration exceeding 300 ppm as methane above background. [Cumulative Increase]
- 2. S-388 shall be vented to the Refinery Vapor Recovery System at all times that S-388 is operating. [Cumulative Increase]
- 3. S-388 shall be included in the facility fugitive emission monitoring program required by Regulation 8, Rule 18. [Regulation 8, Rule 18]

CONDITION 4336

APPLICATION 4332, 15994; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-425, S-426

- 1. For each loading event of "regulated organic liquid", the A-420 shall be operated with a temperature of at least 1300 degrees F during the first 15 minutes of the loading operation.

 After the initial 15 minutes of loading, the A-420 temperature shall be at least 1400 degrees F.

 [Cumulative Increase]
- 2. Instruments shall be installed and maintained to monitor and record the following:
 - a. Static pressure developed in the marine tank vessel
 - b. A-420 temperature.
 - c. Hydrocarbons and flow to determine mass emissions or a concentration measurement alone if it is demonstrated to the satisfaction of the APCO that concentration alone allows verification of compliance, or
 - d. Any other device that verifies compliance, with prior approval from the APCO.

 [Cumulative Increase]
- 3. A "regulated organic liquid" shall not be loaded from this facility into a marine tank vessel within the District whenever A-420 is not fully operational. A-420 must be maintained to be

VI. Permit Conditions

leak free, gas tight, and in good working order. For the purposes of this condition, "operational" shall mean the system is achieving the reductions required by Regulation 8, Rule 44; "regulated organic liquids" include gasoline, gasoline blendstocks, aviation gasoline and JP-4 aviation fuel and crude oil.

[Cumulative Increase]

4. A leak test shall be conducted on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test shall include all vessel relief valves, hatch cover, butterworth plates, gauging connections, and any other potential leak points.

[Cumulative Increase]

5. Loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]

The following conditions are transferred from Condition 476.

- 6. No more than 25,000 barrels per day of gasoline, naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. [Cumulative Increase]
 - a. When barges are used to ship gasoline, naphtha or C5/C6, the volume of these materials shipped during any reporting period is to be multiplied by a factor of 1.66 and included in the shipping totals to determine compliance with the throughput limits.
 - b. When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.
- 7. All throughput records required to verify compliance with Part 6 and maintenance records required for A-420, which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the District upon request.

[Cumulative Increase]

CONDITION 6671

APPLICATION 18377; RODEO RFINERY; PLANT 16 CONDITIONS FOR S-307

- 1. The vapor vent on the E-421 condenser (overhead condenser on D-406 condensate stripper in U-240 Unicracker Complex hydrogen plant) shall be vented to the A-50 condenser whenever the vent operates. [Regulation 8-2-301]
- 2. A-50 shall reduce total organic carbon emissions from the E-421 vent as necessary to a level which complies with Regulation 8-2-301. [Regulation 8-2-301]
- 3. All blowdown and other liquid effluent from A-50 shall be piped to the plant wastewater treatment system. [Cumulative Increase]
- 4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound

VI. Permit Conditions

cooler shall be verified on a daily basis.

[Cumulative Increase]

5. Daily records (on days when the U-240 hydrogen plant operates) of normal scrubbing liquid flow and normal cooling water flow shall be kept in a District-approved log for at least five years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 6725

APPLICATION 6122; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-432

- 1) All new flanges in hydrocarbon service associated with the S-432 Deisobutanizer project shall utilize graphitic gaskets. All new valves in hydrocarbon service associated with the project shall be either live-loaded valves, bellows-sealed valves, diaphragm valves, or other District approved equivalent valve designs. [BACT, Cumulative Increase]
- 2) All new pressure relief valves in hydrocarbon service associated with the S-432 project shall be vented to the refinery flare gas recovery system.

[BACT, Cumulative Increase]

3) All new pumps and compressors in hydrocarbon service associated with the S-432 project shall utilize either a double mechanical shaft seal design with barrier fluid, a magnetically coupled shaft, or other District approved equivalent design. If a barrier fluid is used, either the fluid reservoir shall be vented to a 95% efficient control device, or the barrier fluid shall be operated at a pressure higher than the process stream pressure.

[BACT, Cumulative Increase]

CONDITION 7353

- 1. The emissions from the S-433 MOSC storage tank shall be collected and vented to the fuel gas system. [Cumulative Increase]
- 2. Valves shall be equipped with live-loaded packing. Pumps shall be equipped with double mechanical seals separated by a barrier fluid. [Cumulative Increase]
- 3. The S-433 Fixed Roof Storage Tank shall only store sludge. [Cumulative Increase]
- 4. The total throughput of sludge at this MOSC facility shall not exceed 138,700 barrels in any rolling 52 consecutive week period. [Cumulative Increase]
- 5. The total weekly throughput of sludge withdrawn from the S-433 Storage Tank shall be recorded in a District approved log. This record shall be retained for a period of at least five years from date of entry. It shall be kept on site and made available to the District staff upon request.

 [Cumulative Increase]

VI. Permit Conditions

CONDITION 7523

APPLICATION 22088; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-294 (GDF 7609)

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 400,000 gallons in any consecutive 12 month period. [Basis: Toxic Risk Policy]

CONDITION 11219

SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-449 (T-285)

1. Working emissions from S-449 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12121

APPLICATION 12412;SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-370

- 1. The feed rate at the S-370 isomerization unit (U-228) shall not exceed 11,040 barrels on any calendar day, defined as the sum of the isomerization fresh reactor charge and the adsorber fresh feed. [Cumulative Increase]
- 2. Daily records of the S-370 feed rate shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]

CONDITION 12122

APPLICATION 30810, 14527, 18281; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-352, 353, 354, 355, 356, 357

- 1. The gas turbines (S-352, S-353 and S-354) and the heat recovery steam generator (HRG) duct burners (S-355,S-356 and S-357) shall be fired on refinery fuel gas or natural gas.

 [Cumulative Increase]
- 2. A HRG duct burner shall be operated only when the associated gas turbine is operated. [Cumulative Increase]
- 3. The exhaust from S-352 and S-355 shall be abated at all times by SCR unit A-13. [BACT, Cumulative Increase]

- 4. The exhaust from S-353 and S-356 shall be abated at all times by SCR unit A-14. [BACT, Cumulative Increase]
- 5. The exhaust from S-354 and S-357 shall be abated at all times by SCR unit A-15. [BACT, Cumulative Increase]
- 6. Total fuel fired in S-355, S-356, and S-357 shall not exceed 2.42 E 12 BTU in any consecutive 365 day period. [Cumulative Increase]
- 7. CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions.

 [BACT, Cumulative Increase]
- 8. POC emissions from each turbine/duct burner set shall not exceed 6 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions.

 [BACT, Cumulative Increase]
- 9a. The combined NOx emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day.

 [BACT, Cumulative Increase]
- 9b. NOx emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 10a. The combined CO emissions from S-352, S-353, S-354, S- 355, S-356 and S-357 shall not exceed 200 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

- 10b. CO emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 11. The combined POC emissions S-352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 8.3 lb/hr nor 30.5 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

12. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide.

[Cumulative Increase]

VI. Permit Conditions

13. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report.

[Cumulative Increase]

- 14. A source test to verify compliance with Parts 8 and 11 shall be performed each calendar year in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]
- 15. Records shall be maintained to allow verification of compliance with all permit conditions. Records shall be retained for at least five years and shall be made available to the District upon request. [BACT, Cumulative Increase]

CONDITION 12124

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-439 (T-109)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

3,650 thousand barrels

[Cumulative Increase]

- 2. S-439 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12125

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-440 (T-110)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

3,600 thousand barrels

[Cumulative Increase]

- 2. S-440 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12127

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-442 (T-112)

- 1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:
 - 2,740 thousand barrels

[Cumulative Increase]

- 2. S-442 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

VI. Permit Conditions

CONDITION 12129

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-444 (T-243)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

4,380 thousand barrels

[Cumulative Increase]

- 2. S-444 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12130

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-445 (T-271)

1. Working emissions from S-445 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12131

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-446 (T-310)

1. Working emissions from S-446 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12132

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-447 (T-311)

1. Working emissions from S-447 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12133

VI. Permit Conditions

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-448 (T-1007)

- 1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:
 - 2,190 thousand barrels

[Cumulative Increase]

- 2. S-448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12245

APPLICATION 13410; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-450

- 1. Groundwater extracted from the S-450 trench system shall be pumped to the wastewater treatment plant for treatment and shall not be exposed to the atmosphere except as required at the treatment plant. [Cumulative Increase]
- 2. All extraction pump vaults and piping access boxes shall be equipped with solid covers.

 [Cumulative Increase]

CONDITION 13184

1. The POC emissions from the S-182 fixed roof storage tank shall be collected and vented at all times to the fuel gas collection system. [Cumulative Increase]

VI. Permit Conditions

CONDITION 16677

APPLICATION 117; SAN FRANCISCO REFINERY; PLANT 16 CONDITIONS FOR S-376, 377, 378

- 1. Net usage of citrus-based solvent at S-376, S-377 and S-378 shall not exceed 150 gallons each in any consecutive 12-month period. [Cumulative Increase]
- 2. Cleanup solvent other than the material(s) specified in Part 1, and/or usage in excess of that specified in Part 1, may be used, provided that the Permit Holder can demonstrate that all of the following are satisfied:
 - a. Total POC emissions from S-376, S-377 and S-378 do not exceed 1,095 pounds each in any consecutive 12-month period; and
 - b. The use of these materials does not increase toxic emissions above any risk screening trigger level. [Cumulative Increase and Toxic Risk Screen]
- 3. To determine compliance with the above requirements, the Permit Holder shall maintain the following records and provide all of the data necessary to evaluate compliance, including:
 - a. Type and monthly usage of all solvents used;
 - b. If a material other than those specified in Part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 2, on a monthly basis;
 - c. Monthly usage and emission calculations (if calculations are required by Part 3b) shall be totaled for each consecutive 12-month period.

All records shall be retained for at least 5 years and shall be made available to the District upon request. These requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.

[Cumulative Increase and Toxic Risk Screen]

CONDITION 18251

Conditions for S-380, S-389

- 1a. Activated Carbon Silo S-380 shall be vented through the A-20 baghouse whenever it is in service.
- b. Diatomaceous Earth Silo S-389 shall be vented through the A-21 baghouse whenever it is in service. [Regulation 2-1-234]
- 2a. Baghouses A-20 and A-21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]

CONDITION 18251

Conditions for S-380, S-389

- 2b. Differential pressure on baghouse A-20 shall be checked at least once per calendar quarter to verify normal operating condition. [Regulation 1-441]
- 2c. Differential pressure on baghouse A-21 shall be checked each time that the baghouse is operated to verify normal operating condition. [Regulation 1-441]
- 3. A record of all differential pressure readings for baghouses A-20 and A-21 shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request. [Regulation 1-441]

CONDITION 18255

Conditions for S-296, S-398

- 1. The owner/operator shall inspect flares S-296 and/or S-398 for visible emissions as soon as any intentional or unintentional release of vent gas is detected, using gas flow meters, which lasts more than 15 consecutive minutes. If any visible emissions are detected the operator shall take corrective action, and check for visible emissions after corrective action is taken. The owner/operator shall continuously monitor the flare as long as flaring occurs using EPA Reference Method 9 or Method 22. If Method 22 is used, visible emissions for more than 3 minutes in any hour is a violation and shall be reported to the Director of Compliance and Enforcement in accordance with standard condition I.F. If Method 9 is used, visible emissions over 20% opacity for more than 3 minutes in any hour is a violation and shall be reported to the Director of Compliance and Enforcement in accordance with Standard Condition I.F. [Regulation 2-6-409.2]
- 2. The owner/operator shall use flare S-398 only to burn only process upset gases or fuel gas that is released to it as a result of relief valve leakage or other emergency malfunctions.

 [Basis: 40 CFR 60.104(a)(1)]
- 3. The owner/operator shall record in a District-approved log every flaring event. This log shall be made available to the District upon request and kept for at least 5 years from the date of record.

 [Basis: 40 CFR 60.104(a)(1)]

VI. Permit Conditions

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

May 30, 1989 PSD Permit Amendments (first issued March 3, 1986) Permit NSR 4-4-3 SFB 85-03

[Obsolete – Approval to Construct executed in a timely manner]

[Obsolete – Approval to Construct executed in a timely manner]

III. Facilities Operation

All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Approval to Construct/Modify shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

IV. Malfunction

The Regional Administrator shall be notified by telephone within two working days following any failure of air pollution control equipment, process equipment, or of any process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section IX of these conditions. In addition, the Regional Administrator shall be notified in writing within 15 days of any such failure. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under Section IX of these conditions, and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause.

V. Right to Entry

The Regional Administrator, the head of the State Air Pollution Control Agency, the head of the responsible local air pollution control agency, and/or their authorized representatives, upon presentation of credentials, shall be permitted:

A. to enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Approval to Construct/Modify; and

B. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Approval to Construct/Modify; and

CONDITION 18629

VI. Permit Conditions

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

C. to inspect any equipment, operation, or method required in this Approval to Construct/Modify; and

D. to sample emissions from this source.

VI. Transfer of Ownership

In the event of any changes in control or ownership of facilities to be constructed or modified, this Approval to Construct/Modify shall be binding on all subsequent owners and operators. The applicant shall notify the succeeding owner and operator of the existence of this Approval to Construct/Modify and its conditions by letter, a copy of which shall be forwarded to the Regional Administrator and the State and local Air Pollution Control Agency.

VII. Severability

The provisions of this Approval to Construct/Modify are severable, and, if any provisions of this Approval to Construct/Modify is held invalid, the remainder of this Approval to Construct/Modify shall not be affected thereby.

VIII. Other Applicable Regulations

The owner and operator of the proposed project shall construct and operate the proposed stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations.

IX. Special Conditions

[Obsolete – Approval to Construct executed in a timely manner]

B. Air Pollution Control Equipment

permit holder shall install, continuously operate, and maintain the following air pollution controls to minimize emissions. Controls listed shall be fully operational upon startup of the proposed equipment.

- 1. Each gas turbine shall be equipped with steam injection for the control of NOx emissions.
- 2. Each gas turbine shall be equipped with a Selective Catalytic Reduction (SCR) system for the control of NOx emissions.

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

D. Operating Limitations

- 1. The gas turbines and Heat Recovery Steam Generator (HRG) burners shall be fired only on on refinery fuel gas and natural gas
- 2. The firing rate of each gas turbine/HRG burner set shall not exceed 466 MMBTU/hr.
- 3. The total fuel firing rate of the Steam/Power Plant shall not exceed 1048 MMBTU/hr.
- 4. The permit holder shall maintain records of the amount of fuel used in the gas turbines and the HRG Burners, hours of operation, sulfur content of the fuel, and the ratio of steam injected to fuel fired in each gas turbine, in a permanent form suitable for inspection. The record shall be retained for at least two years following the date of record and shall be made available to EPA upon request.

E. Emission Limits for NOx

On or after the date of startup, the permit holder shall not discharge from the gas turbine/HRG Burner sets NOx in excess of the more stringent of 83 lb/hr total or 25 ppmv at 15% O2 (3-hour average), or 664 lb/day per set. The concentration limit shall not apply for 4 hours during startup or 2 hours during shutdown.

F. Emission Limits for SO2

On or after the date of startup, the permit holder shall not discharge from the gas turbine/HRG Burner sets SO2 in excess of 15.6 lb/hr per set or 44 lb/hr total (3-hour average). Additionally, total SO2 emissions shall not exceed 34 lb/hr (3 hour average) for more than 36 days per year, nor a total of 153 tons per year (365 days)

G. Continuous Emission Monitoring

- 1. Prior to the date of startup and thereafter, the permit holder shall install, maintain and operate the following continuous monitoring systems downstream of each of the gas turbine/HRG Burner units:
- a. Continuous monitoring systems to measure stack gas NOx and SO2 concentrations. The systems shall meet EPA monitoring performance specifications (40 CFR 60.13 and 40 CFR 60, Appendix B, Performance Specifications). Alternatively, the SO2 continuous monitor may be substituted for by a continuous monitoring system measuring H2S in the refinery fuel gas system and daily sampling for total sulfur in the fuel gas.

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

b. A system to calculate the stack gas volumetric flow rates continuously from actual process

variables.

- 2. The permit holder shall maintain a file of all measurements, including continuous monitoring system performance evaluations, all continuous monitoring system monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.
- 3. The permit holder shall submit a written report of SO2 emission status and all excess emissions to EPA (Attn: A-3-3) for every calendar quarter. The report shall include the following:
- a. If fuel gas samples are used to determine SO2 emissions:
- (1) The total measured sulfur concentration in each fuel gas sample for the calendar quarter.
- (2) The daily average sulfur content in the fuel gas, daily average SO2 mass emission rate (lb/hr), and total tons per year of SO2 emitted for the last 365 consecutive days. Total SO2 emissions exceeding 34 lb/hr must be identified.
- b. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
- c. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the cogeneration gas turbine system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.
- d. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.
- e. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Excess emissions shall be defined as any three-hour period during which the average emissions of NOx and/or SO2 as measured by the continuous monitoring system and/or calculated from the daily average of the total sulfur in the fuel gas, exceeds the NOx and/or SO2 maximum emission limits set for each of the pollutants in Conditions IX.E and IX.F. above

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

g. Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limits for the purpose of this permit.

H. New Source Performance Standards

The proposed cogeneration facility is subject to the Federal regulations entitled Standards of Performance for New Stationary Sources (40 CFR 60). The permit holder shall meet all applicable requirements of Subparts A and GG of this regulation.

X. Agency Notifications

All correspondence as required by this Approval to Construct/Modify shall be forwarded to:

A. Director, Air Management Division (Attn: A-3-3)

EPA Region 9 215 Fremont Street

San Francisco, CA 94105 (415/974-8034)

B. Chief, Stationary Source Division California Air Resources Board P O Box 2815 Sacramento, CA 95812

C. Air Pollution Control Officer
 Bay Area Air Quality Management District
 939 Ellis Street
 San Francisco, CA 94109

CONDITION 18680

- 1. The Phil Tite EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-101. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
- 2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36-month period. Measured leak rates of each component shall not exceed the levels specified in VR-101. Results shall be submitted to BAAQMD within 15 days of the test date in a District-approved format.

CONDITION 19278

Conditions for S-1001, S-1002, S-1003

1. Effective April 1, 2004, the owner/operator shall conduct the following District-approved analyses at least once per calendar year:

VI. Permit Conditions

- a. H2S concentration in the fuel gas at the inlet and outlet of each refinery fuel gas treatment system,
- b. H2S concentration in the sour water at the inlet and outlet of each sour water stripper system.,
- c. H2S concentration in the inlet and outlet (upstream of any tailgas thermal oxidizer) of each sulfur plant,
- d. ammonia concentration in the sour water stream at the inlet and outlet of each sour water stripper system [Regulation 9-1-313.2]
- 2. The owner/operator shall summarize the results of these analyses in a written report to the District within 30 days of the analyses. The report shall include a determination of compliance or noncompliance with the 95% removal and retention requirements of Regulation 9-1-313.2. Each analysis and report shall be retained onsite for at least 5 years.

[Regulation 9-1-313.2]

3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test.

[Regulation 6-330]

CONDITION 19476

Conditions for S-451

- 1. The total throughput at tank S-451 shall not exceed 11,000,000 barrels in any consecutive 12-month period. [Cumulative Increase]
- 2. S-451 shall comply with the following design requirements, in addition to any others required by Regulation 8, Rule 5, NSPS Subpart Kb or NESHAP Subpart CC:
 - a. adjustable roof legs, if used, must be equipped with vapor boot seals, or with an equivalent vapor loss control device approved by the District [BACT, Cumulative Increase]
- 3. Monthly records of the type and net amount of materials stored at S-451 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 19488

APPLICATION 4984; PLANT 16 CONDITIONS FOR S-50, 51, 52, 53, 54, 55, 56, 57, 58, 59

1. The owner/operator of turbine startup engines S-50, S-51 and S-52 shall operate each of these engines no more than 100 hours per calendar year. [Cumulative Increase]

2. The owner/operator of S-50, S-51 and S-52 shall keep monthly records of the operating time of each engine. These records shall be kept for at least 5 years and shall be made available to the District upon request. [Regulation 9-8-502, 1-441]

CONDITIONS FOR S-53, 54, 55, 56, 57, 58, 59

- 3. The owner/operator of emergency standby engines S-53, S-54, S-55, S-56, S-57, S-58, and S-59 shall operate these engines only for emergency use or for reliability-related activities. Operations for reliability-related activities shall not exceed 100 hours per calendar year for each engine. Operation for emergency use is unlimited. [Regulation 9-8-330]
- 4. Emergency use is defined as the use of an emergency standby engine during any of the following:
 - a. In the event of loss of regular natural gas supply;
 - b. In the event of failure of regular electric power supply;
 - c. Flood mitigation;
 - d. Sewage overflow mitigation;
 - e. Fire;
 - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Regulation 9-8-231]
- 5. Reliability-related activities is defined as the use of an emergency standby engine during any of the following: [Regulation 9-8-232]
 - a. Operation of an emergency standby engine to test its ability to perform for an emergency use;
 - b. Operation of an emergency standby engine during maintenance of a primary motor.
- 6. Each emergency standby engine shall be equipped with either: [Regulation 9-8-530]
 - a. A non-resettable totalizing meter that measures and records hours of operation.
 - b. A non-resettable fuel usage meter
- 7. All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The owner/operator shall keep a monthly log of usage that shall indicate the following:

 [Regulations 9-8-530, 1-441]
 - a. Hours of operation (total)
 - b. Hours of operation (emergency)
 - c. the nature of the emergency condition.

CONDITION 20620

1. By October 11, 2004, the owner/operator shall submit a complete application for a significant revision to the Major Facility Review permit to incorporate the limits, compliance options, and monitoring requirements in 40 CFR 63, Subpart UUU, National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.

[Basis: 40 CFR 63, Subpart UUU) By April 11, 2004]

2. By April 11, 2005, the owner/operator shall submit an Operation, Maintenance and Monitoring Plan for District review in accordance with 40 CFR 63.1574(f). The plan shall be submitted to the Director of Enforcement.

[Basis: 40 CFR 63.1574(f)]

CONDITION 20773

This condition applies to tanks that are exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to the exemption in Regulation 8-5-117 for storage of organic liquids with a true vapor pressure of less than or equal to 25.8 mm Hg (0.5 psia).

- 1. Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8 Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible. [Basis: 8-5-117 and 2-6-409.2]
- 2. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request.

[Basis: 2-6-409.2]

FACILITY-WIDE REQUIREMENTS

CONDITION 20989

A. THROUGHPUT LIMITS

The following limits are imposed through this permit in accordance with Regulation 2-1-234.3. Sources require BOTH hourly/daily and annual throughput limits (except for tanks and similar liquid storage sources, and small manually operated sources such as cold cleaners which require only annual limits). Sources with previously imposed hourly/daily AND annual throughput limits are not listed below; the applicable limits are given in the specific permit conditions listed above in this section of the permit. Also, where hourly/daily capacities are listed in Table II-A, these are considered enforceable limits for sources that have a New Source Review permit. Throughput limits imposed in this section and hourly/daily capacities listed in Table II-A are not federally enforceable for grandfathered sources. Grandfathered sources are indicated with an asterisk in the source number column in the following table. Refer to Title V Standard Condition J for clarification of these limits.

In the absence of specific recordkeeping requirements imposed as permit conditions, monthly throughput records shall be maintained for each source.

	house, / doller throughout	annual throughput limit (any consecutive 12-month period unless otherwise
source number	hourly / daily throughput limit	specified)
15	Table II-A	19.9 E 6 therm total at S-15
		through S-19
16	Table II-A	19.9 E 6 therm total at S-15
		through S-19
17	Table II-A	19.9 E 6 therm total at S-15
		through S-19
18	Table II-A	19.9 E 6 therm total at S-15
		through S-19
19	Table II-A	19.9 E 6 therm total at S-15
		through S-19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm
29	Table II-A	8.6 E 6 therm
30	Table II-A	4.2 E 6 therm
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*97	NA for tank	1.1 E 7 bbl
*100	NA for tank	4.38 E 6 bbl
101	NA for tank	3.68 E 9 gal
102	NA for tank	3.68 E 9 gal

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
106	NA for tank	3.68 E 9 gal
*107	NA for tank	8.76 E 6 bbl
*110	NA for tank	1.40 E 7 bbl
*111	NA for tank	1.31 E 7 bbl
*112	NA for tank	1.49 E 7 bbl
*113	NA for tank	1.49 E 7 bbl
*114	NA for tank	1.31 E 7 bbl
*115	NA for tank	4.38 E 6 bbl
*117	NA for tank	8.76 E 5 bbl
*118	NA for tank	15,000 bbl
*121	NA for tank	3.52 E 4 bbl
*122	NA for tank	4.38 E 6 bbl
*123	NA for tank	5.1 E 6 bbl
*124	NA for tank	4.38 E 6 bbl
*125	NA for tank	1.05 E 7 bbl
*126	NA for tank	1.05 E 7 bbl
*128	NA for tank	5.1 E 6 bbl
129	NA for tank	4.6 E 6 bbl
133	NA for tank	8.76 E 5 bbl
*134	NA for tank	1.31 E 7 bbl
*139	NA for tank	2.74 E 6 bbl
*140	NA for tank	2.74 E 6 bbl
150	NA for tank	4.38 E 7 bbl
151	NA for tank	4.38 E 7 bbl
*177	NA for tank	2.63 E 7 bbl
178	NA for tank	3.50 E 7 bbl
183	NA for tank	4.38 E 5 bbl
184	NA for tank	4.38 E 6 bbl
*186	NA for tank	4.38 E 6 bbl
*193	NA for tank	100 bbl
*194	NA for tank	100 bbl
*195	NA for tank	5.0 E 4 bbl
196	NA for tank	5.0 E 4 bbl
*216	NA for tank	4.6 E 6 bbl
*238	NA for tank	1.00 E 6 bbl
*239	NA for tank	8.76 E 6 bbl
*254	NA for tank	7.01 E 7 bbl
*255	NA for tank	7.01 E 7 bbl
*256	NA for tank	7.01 E 7 bbl
*257	NA for tank	7.01 E 7 bbl
*258	NA for tank	7.01 E 7 bbl
*259	NA for tank	7.01 E 7 bbl

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*261	NA for tank	7.01 E 7 bbl
294	20 gpm	400,000 gallons
*301	Table II-A	89,425 long ton for S-301, 302, 303
*302	Table II-A	89,425 long ton for S-301, 302, 303
*303	Table II-A	89,425 long ton for S-301, 302, 303
304	Table II-A	3.47 E 6 bbl
305	Table II-A	9.21 E 6 bbl
306	Table II-A	7.67 E 6 bbl
307	Table II-A	1.39 E 7 bbl
*308	Table II-A	5.11 E 6 bbl
*309	Table II-A	6.11 E 6 bbl
*318	Table II-A	3.3 E 7 bbl
*319	Table II-A	4.32 E 6 bbl
324	Table II-A	3.68 E 9 gallons
*334	NA for tank	6.51 E 6 bbl
336	Table II-A	9.2 E 6 therm
337	Table II-A	2.8 E 6 therm
*338	Table II-A	6.6 E 10 ft3
*339	Table II-A	5.26 E 7 bbl
340	NA for tank	7.67 E 6 bbl
341	NA for tank	4.38 E 7 bbl
342	NA for tank	4.38 E 7 bbl
343	NA for tank	4.38 E 7 bbl
351	Table II-A	8.4 E 6 therm
360	NA for tank	2.78 E 6 bbl
370	Condition 12121	4.03 E6 bbl
371	Table II-A	4.8 E6 therm for S-371/372
372	Table II-A	4.8 E6 therm for S-371/372
380	0.3 ton/hr	2,628 ton
381	420,000 gal/hr	3.68 E 9 gal
382	420,000 gal/hr	3.68 E 9 gal
383	420,000 gal/hr	3.68 E 9 gal
384	420,000 gal/hr	3.68 E 9 gal
385	Table II-A	3.68 E 9 gal
386	1800 gal/hr	1.6 E 7 gal
387	Table II-A	7.884 E 6 gal
388	Table II-A	153,300 ton
389	0.21 ton/hr	1840 ton
390	N/A for tank	7.884 E 6 gal

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
392	N/A for tank	7.884 E 6 gal
400	N/A for sump	3.68 E 9 gal
401	N/A for sump	3.68 E 9 gal
425	Table II-A	25,000 bbl/day at S-425 and
		S-426 (annual average)
426	Table II-A	25,000 bbl/day at S-425 and
		S-426 (annual average)
432	Table II-A	2.8 E6 bbl
435	Table II-A	6.6 E 6 bbl
436	Table II-A	4.7 E 6 bbl
437	Table II-A	9.1 E 9 ft3
*1001	Table II-A	89,425 long ton for S-1001, 1002, 1003
*1002	Table II-A	89,425 long ton for S-1001, 1002, 1003
*1003	Table II-A	89,425 long ton for S-1001, 1002, 1003
1007	Table II-A	3.68 E 9 gal
1008	Table II-A	3.68 E 9 gal
1009	Table II-A	3.68 E 9 gal

B. OTHER REQUIREMENTS

1. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit and as soon as feasible for any unscheduled startup or shutdown of a process unit, but no later than 48 hours after the unscheduled startup/shutdown. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable.

[Regulation 2-1-403]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), semi-annual (SA), hourly (H), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII – All Sources
Facility-Specific Generally Applicable Requirements

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR 61,	Y		Exemption for facilities	40 CFR 61,	P/A	report
	Subpart FF,			with less than 10 Mg/yr of	Subpart FF,		
	61.342 (a)			benzene in waste	61.357 (c)		
HAP	40 CFR 63,	Y		wastewater standards of 40	40 CFR 63,	P/A	report
	Subpart CC,			CFR 61, Subpart FF,	Subpart CC,		
	63.647(a)			61.340 to 61.355 are	63.654(a)		
				applicable			
VOC	BAAQMD	Y		emission streams with 15	None	N	None
	Regulation			lb/day AND 300 ppm total			
	8-2-301			carbon on a dry basis			
				prohibited			
VOC	BAAQMD	N		5 ton/yr per solvent, surface	None	N	None
	Regulation			coating source			
	8-4-302.1						
	and						
	SIP 8-4-302	Y					
VOC	BAAQMD	Y		Tank cleaning control	BAAQMD 8-	P/A	source test
	Regulation 8-5-328.2			device standard includes 90% abatement efficiency	5-502		
	0 0 0 0 0 0 0 0 0			requirement			

Table VII – All Sources Facility-Specific Generally Applicable Requirements

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	NSPS Subpart Kb 60.112b(a)(2) and NESHAP Subpart CC 63.647(a)	Y		VOC concentrations shall not exceed 500 ppmv above background	NESHAP Subpart FF 61.350, 61.356(k), and 61.357(d)(8) NESHAP Subpart CC 63.642(e), 63.642(f) and 63.654(i)(4)	P/Q-visual and A- measuremen ts and reports	Visual inspections, portable HC detector (EPA Method 21) and records of detectable emissions, inspections and repairs
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	BAAQMD Regulation 6-311	Y		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
SO2	BAAQMD Regulation 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)	at the request of the District, 9-1- 501 requires compliance with BAAQMD 1-510	С	SO2 GLM
SO2	BAAQMD Regulation 9-1-302	Y		300 ppm SO2 (dry)	None	N	None

Table VII – All Sources Facility-Specific Generally Applicable Requirements

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	N		operation of a sulfur	BAAQMD	P/A	source test
	Regulation			removal and recovery	Condition		
	9-1-313.2			system that removes and	19278, Part 1		
				recovers: 95% of H2S from			
				refinery fuel gas, 95% of			
				H2S and ammonia from			
				process water streams;			
				operation of a sulfur			
				recovery plant			
SO2	SIP	Y		operation of a sulfur	BAAQMD	P/A	source test
	Regulation			removal and recovery	Condition		
	9-1-313.2			system that removes and	19278, Part 1		
				recovers: 95% of H2S from			
				refinery fuel gas, 95% of			
				H2S and ammonia from			
				process water streams			
H2S	BAAQMD	N		Ground level	BAAQMD	С	Area
	Regulation			concentrations < 0.06 ppm	9-2-501,		Monitoring
				averaged over 3	1-510, 1-530		
	9-2-301			consecutive minutes or <	1-540, 1-542,		
				0.03 ppm averaged over any 60 consecutive minutes	1-543 and 1-544		
		l		any oo consecutive infinites	1-344		

 $\label{eq:continuous} \textbf{Table VII-A.1} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-2 – UNIT 229, B-301 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S-2 – UNIT 229, B-301 HEATER

5-2 - UNII 22), B-301 HEATER									
			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type		
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records		
combustion	Condition			(see condition)	Condition				
emissions	1694, Part				1694, Part				
	A.1				A.5				
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records		
combustion	Condition			averaged over any year at	Condition				
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3				
	F.2								
O2		Y		No limit	BAAQMD	P/A	source test		
					9-10-502.1				
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test		
	9-10-305				9-10-502.1				
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None		
	6-301			than 3 minutes in any hour					
	BAAQMD	Y		Prohibition of nuisance	None	N	None		
	6-305								
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None		
	6-310.3				gaseous fired				
					sources				
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month	Condition	per day	analysis		
	1694, Part				1694, Part				
	A.4				A.3a				
Fuel Flow		Y		No limit	BAAQMD	C	Fuel		
					9-10-502.2		Flowmeter		

Table VII – A.2

Applicable Limits and Compliance Monitoring Requirements

S-3 – UNIT 230, B-201 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
	BAAQMD	Y	4/1/04	Ringelmann 1 for no more	BAAQMD	P/E (before	visual
	6-301			than 3 minutes in any hour	Condition	1 million	inspection
				(liquid fuel firing)	1694, Part	gallons of	
					A.2c	liquid fuel	
			_			combusted)	
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None	N	None
	6-310.3			(gaseous fuel firing)			

 $\label{eq:continuous} Table~VII-A.2 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-3 – UNIT 230, B-201 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y	4/1/04	0.15 grain/dscf @ 6% O2	BAAQMD	P/E (before	visual
	6-310.3			(liquid fuel firing)	Condition	1 million	inspection
					1694, Part	gallons of	
					A.2c	liquid fuel	
						combusted)	
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\label{eq:continuous} Table~VII-A.3 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-4 – UNIT 231, B-101 HEATER

				CIVIT 251, B-101 HE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		

 $\label{eq:continuous} Table~VII-A.3 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-4 – UNIT 231, B-101 HEATER

			Future	ON 201, B 101 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.4

Applicable Limits and Compliance Monitoring Requirements

S-5 – UNIT 231, B-102 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S-5 – Unit 231, B-102 HEATER

T C	Citation	DE	Future		Monitoring	Monitoring	3.6 · · · · · · · · · · · · · · · · · · ·
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type
All	BAAQMD	Y	Date	heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
			_		sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter

Table VII – A.5

Applicable Limits and Compliance Monitoring Requirements

S-7 – UNIT 231, B-103 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
	BAAQMD	Y	4/1/04	Ringelmann 1 for no more	BAAQMD	P/E (before	visual
	6-301			than 3 minutes in any hour	Condition	1 million	inspection
				(liquid fuel firing)	1694, Part	gallons of	
					A.2c	liquid fuel	
			•			combusted)	
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None	N	None
	6-310.3			(gaseous fuel firing)			

 $\label{eq:continuous} \textbf{Table VII-A.5} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-7 – UNIT 231, B-103 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y	4/1/04	0.15 grain/dscf @ 6% O2	BAAQMD	P/E (before	visual
	6-310.3			(liquid fuel firing)	Condition	1 million	inspection
					1694, Part	gallons of	
					A.2c	liquid fuel	
						combusted)	
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\label{eq:continuous} \textbf{Table VII-A.6} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-8 – UNIT 240, B-1 BOILER

			5-0	ONIT 240, B-1 BOIL			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2)	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements

S-8 – UNIT 240, B-1 BOILER

			Future	CIVIT 210, B T BOIL	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation		_
	01 LIIIII		Date			(P/C/N)	Туре
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	None
	6-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				BTU in 24 hours; applies to	sources		
				sources rated over 140 MM			
				BTU/hr (with tubes)			
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3		_		gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
502	Condition	1		month	Condition	per day	analysis
	1694, Part			THOUGHT.	1694, Part	per any	u j 515
	A.4				A.3a		
Fuel Flow	11.7	Y		No limit	BAAQMD	С	Fuel
ruci Fiow		I		INO IIIIIL	9-10-502.2	C	
	<u>II</u>				9-10-302.2		Flowmeter

 $Table\ VII-A.7$ Applicable Limits and Compliance Monitoring Requirements S-9 – UNIT 240, B-2 BOILER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3		_		gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.8

Applicable Limits and Compliance Monitoring Requirements

S-10 – UNIT 240, B-101 HEATER

Future Monitoring Monitoring Type of Citation FE Effective Requirement Frequency Monitoring Limit of Limit Y/N Date Limit Citation (P/C/N) Type Y CEM for NOx and O2 or BAAQMD NOx C CEM CO2 1-520.8 BAAQMD NOx Y Refinery-wide emissions: BAAQMD \mathbf{C} CEM 9-10-301 0.033 lb NOx/ MMBTU 9-10-502.1 Y NOx BAAQMD Federal emissions: None Ν None 9-10-303 Refinery-wide emissions: 0.20 lb NOx/MMBTU BAAOMD Y heat ratings, firing limits **BAAQMD** P/D All records Condition Condition combustion (see condition) emissions 1694, Part 1694, Part A.1 A.5 BAAQMD Y 993.7 MM BTU/hr BAAQMD P/M all records combustion Condition averaged over any year at Condition 1694, Part S-8, S-9, S-10, S-11, S-12, 1694, Part F.3 emissions F.1 S-13, S-14 CEM for NOx and O2 or O2 Y BAAQMD C CEM CO₂ 1-520.8 Ο2 Y C No limit BAAQMD CEM 9-10-502.1 Y CO BAAQMD 400 ppmv (dry, 3% O₂) **BAAQMD** P/SA source test 9-10-305 9-10-502.1 **BAAQMD** Y Opacity During tube cleaning, None for Ν None 6-304 Ringelmann No. 2 for 3 gaseousmin/hr and 6 min/billion fueled BTU in 24 hours; applies to sources sources rated over 140 MM BTU/hr (with tubes) Opacity BAAQMD Y Ringelmann 1 for no more None for Ν None 6-301 than 3 minutes in any hour gaseousfueled sources

 $Table\ VII-A.8$ Applicable Limits and Compliance Monitoring Requirements $S\text{-}10-U\text{NIT}\ 240,\ B\text{-}101\ Heater}$

Future Monitoring Monitoring Type of Citation FE Effective Requirement Frequency Monitoring Limit of Limit Date Limit Citation (P/C/N) Type Y/N Prohibition of nuisance BAAQMD Y Ν None None 6-305 0.15 grain/dscf @ 6% O2 FP BAAQMD None for N None 6-310.3 gaseousfueled sources SO₂ BAAQMD Y 1,558 lb/day SO2 over any BAAQMD P/3 times TRS Condition month Condition per day analysis 1694, Part 1694, Part A.4 A.3a Y C Fuel Flow No limit BAAQMD Fuel 9-10-502.2 Flowmeter

Table VII – A.9

Applicable Limits and Compliance Monitoring Requirements

S-11 – UNIT 240, B-201 HEATER

			5-11	ONII 240, D-201 III			
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			

 $\label{eq:continuous} Table~VII-A.9 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-11 – UNIT 240, B-201 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter

 $\label{eq:continuous} Table~VII-A.10$ Applicable Limits and Compliance Monitoring Requirements

S-12 – UNIT 240, B-202 HEATER

			Future	Ź	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

 $Table\ VII-A.10$ Applicable Limits and Compliance Monitoring Requirements $S\text{-}12-\text{UNIT}\ 240,\ B\text{-}202\ HEATER}$

	S11		Future		Monitoring	Monitoring	
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency	Monitoring
All	BAAQMD	Y	Date	heat ratings, firing limits	BAAQMD	(P/C/N) P/D	Type records
combustion	Condition	ĭ		(see condition)	Condition	P/D	records
				(see condition)			
emissions	1694, Part				1694, Part		
	A.1			000 5 1 0 4 0 5 1 1 1	A.5	70.5	
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		•
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S-13 – UNIT 240, B-301 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
СО	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	None
	6-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				BTU in 24 hours; applies to	sources		
				sources rated over 140 MM			
				BTU/hr (with tubes)			
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				

 $\label{eq:continuous} \textbf{Table VII-A.11} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-13 – UNIT 240, B-301 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\label{eq:continuous} Table~VII-A.12$ Applicable Limits and Compliance Monitoring Requirements

S-14 – UNIT 240, B-401 HEATER

			Т. 4	Civil 210, D Tol III		3.5	
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		

 $\label{eq:continuous} Table~VII-A.12 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-14 – UNIT 240, B-401 HEATER

	1	1	5-14	AIEK			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	None
	6-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				BTU in 24 hours; applies to	sources		
				sources rated over 140 MM			
				BTU/hr (with tubes)			
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_		3,033		2,022
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
				, and the second	fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3		_		gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\label{eq:continuous} Table~VII-A.13$ Applicable Limits and Compliance Monitoring Requirements

S-15 – UNIT 244, B-501 HEATER

		1	~ 10	- UNII 244, D-301 III			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
СО	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

$\label{eq:continuous} Table~VII-A.13$ Applicable Limits and Compliance Monitoring Requirements

S-15 – UNIT 244, B-501 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		6.0 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

$\label{eq:continuous} Table~VII-A.14$ Applicable Limits and Compliance Monitoring Requirements

S-16 - UNIT 244, B-502 HEATER

5-10 - UNIT 244, D-302 HEATER											
		Future		Monitoring	Monitoring						
Citation	FE	Effective		Requirement	Frequency	Monitoring					
of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С						
9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1							
BAAQMD	Y		Federal emissions:	None	N	None					
9-10-303			Refinery-wide emissions:								
			0.20 lb NOx/MMBTU								
BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records					
Condition			(see condition)	Condition							
1694, Part				1694, Part							
A.1				A.5							
	Y		No limit	BAAQMD	С	CEM					
				9-10-502.1							
	Y		CEM for NOx and O2 or	BAAQMD	С	CEM					
			CO2	1-520.8							
BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
9-10-305				9-10-502.1							
BAAQMD	Y		Ringelmann 1 for no more	None for	N	None					
6-301			than 3 minutes in any hour	gaseous-							
				fueled							
				sources							
BAAQMD	Y		Prohibition of nuisance	None	N	None					
6-305		_									
	BAAQMD 9-10-303 BAAQMD 9-10-303 BAAQMD Condition 1694, Part A.1 BAAQMD 9-10-305 BAAQMD 6-301 BAAQMD	of Limit Y/N BAAQMD Y 9-10-301 Y BAAQMD Y 9-10-303 Y BAAQMD Y Condition 1694, Part A.1 Y Y Y BAAQMD Y 9-10-305 Y BAAQMD Y 6-301 Y	Citation of Limit Y/N Date BAAQMD Y 9-10-301 BAAQMD Y 9-10-303 BAAQMD Y Condition 1694, Part A.1 Y BAAQMD Y 9-10-305 BAAQMD Y 9-10-305 BAAQMD Y 9-10-305 BAAQMD Y BAAQMD Y 9-10-305	Citation of Limit	Citation of Limit Y/N Date Limit Citation BAAQMD Y Refinery-wide emissions: 0.033 lb NOx/ MMBTU 9-10-502.1 BAAQMD Y Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU BAAQMD Y Federal emissions: 0.20 lb NOx/MMBTU BAAQMD Y heat ratings, firing limits (see condition) 1694, Part A.1 A.1 Y No limit BAAQMD 9-10-502.1 Y CEM for NOx and O2 or CO2 1-520.8 BAAQMD Y A00 ppmv (dry, 3% O2) BAAQMD 9-10-502.1 BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour gaseousfueled sources BAAQMD Y Prohibition of nuisance None	Citation of Limit Y/N Date Limit Citation of Limit Y/N Date Limit Citation of Limit Y/N Date Limit Citation (P/C/N) BAAQMD Y Refinery-wide emissions: 0.033 lb NOx/MMBTU 9-10-502.1 BAAQMD Y Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU BAAQMD Y heat ratings, firing limits (see condition) 1694, Part A.1 Y No limit BAAQMD C Condition 1694, Part A.1 Y CEM for NOx and O2 or CO2 BAAQMD C 9-10-502.1 CEM for NOx and O2 or CO2 BAAQMD C 1-520.8 BAAQMD Y A00 ppmv (dry, 3% O2) BAAQMD P/SA 9-10-502.1 BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour gaseous-fueled sources BAAQMD Y Prohibition of nuisance None N					

 $\label{eq:continuous} Table~VII-A.14 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-16 – UNIT 244, B-502 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		6.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} Table~VII-A.15$ Applicable Limits and Compliance Monitoring Requirements

S-17 - UNIT 244, B-503 HEATER

			~ 1	- UNII 244, D-303 III	TITLIT	-	-
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	C	CEM
					9-10-502.1		

 $\label{eq:continuous} Table~VII-A.15$ Applicable Limits and Compliance Monitoring Requirements

S-17 – UNIT 244, B-503 HEATER

			5-17	- UNII 244, D-303 III			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		4.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} Table~VII-A.16 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-18 – UNIT 244, B-504 HEATER

Type of	Citation	FE	Future Effective	,	Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		

 $\label{eq:continuous} Table~VII-A.16 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-18 – UNIT 244, B-504 HEATER

			Future	01111211, 2 001111	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	С	СЕМ
		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	С	СЕМ
СО	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O ₂)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y	·	Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y	•	Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	С	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		1.9 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

 $\label{eq:continuous} \textbf{Table VII-A.17} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-19 – UNIT 244, B-505 HEATER

			~	- UNII 244, D-303 III			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

$\label{eq:continuous} Table~VII-A.17$ Applicable Limits and Compliance Monitoring Requirements

S-19 – UNIT 244, B-505 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		0.6 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

$\label{eq:continuous} Table~VII-A.18$ Applicable Limits and Compliance Monitoring Requirements

S-20 - UNIT 244, B-506 HEATER

	S-20 - UNII 244, D-300 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/A	source test					
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1							
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMBTU								
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records					
combustion	Condition			(see condition)	Condition							
emissions	1694, Part				1694, Part							
	A.1				A.5							
O2		Y		No limit	BAAQMD	P/A	source test					
					9-10-502.1							
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test					
	9-10-305				9-10-502.1							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
	BAAQMD	Y		Prohibition of nuisance	None	N	None					
	6-305											

 $\label{eq:continuous_continuous_continuous} Table~VII-A.18$ Applicable Limits and Compliance Monitoring Requirements

S-20 – UNIT 244, B-506 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		1.9 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} \textbf{Table VII-A.19} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-21 – UNIT 244, B-507 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		

 $\label{eq:continuous} Table~VII-A.19$ Applicable Limits and Compliance Monitoring Requirements

S-21 – UNIT 244, B-507 HEATER

			Future	,	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y		Prohibition of Nuisance	None for	N	None
	6-305				gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
throughput	BAAQMD	Y		0.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

S-22 – UNIT 248, B-606 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.20 Applicable Limits and Compliance Monitoring Requirements S-22 – UNIT 248, B-606 HEATER

Future Monitoring Monitoring Citation FE Effective Requirement Type of Frequency Monitoring Limit of Limit Citation (P/C/N) Y/N Date Limit Type BAAQMD heat ratings, firing limits BAAQMD P/D All records Condition combustion (see condition) Condition emissions 1694, Part 1694, Part A.1 A.5 Y No limit P/SA O2 **BAAQMD** source test 9-10-502.1 CO **BAAQMD** Y 400 ppmv (dry, 3% O₂) **BAAQMD** P/SA source test 9-10-305 9-10-502.1 BAAQMD Opacity Y Ringelmann 1 for no more None for N None 6-301 than 3 minutes in any hour gaseousfueled sources BAAQMD Y Prohibition of nuisance None Ν None 6-305 FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for N None 6-310.3 gaseousfueled sources SO2 BAAQMD Y 1,558 lb/day SO2 over any BAAQMD P/3 times TRS Condition month Condition per day analysis 1694, Part 1694, Part A.4 A.3a Y C Fuel Flow No limit BAAQMD Fuel 9-10-502.2 Flowmeter BAAQMD throughput Y 2.6 E 6 therm/yr **BAAQMD** P/M records Condition Condition 20989, 20989, Part A Part A

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S-29 – UNIT 200, B-5 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\label{eq:continuous} Table~VII-A.21 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-29 – Unit 200, B-5 Heater

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		8.6 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} Table~VII-A.22$ Applicable Limits and Compliance Monitoring Requirements

S-30 – UNIT 200, B-101 HEATER

				ONII 200, D-101 III			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
СО	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						

 $\label{eq:continuous} Table~VII-A.22$ Applicable Limits and Compliance Monitoring Requirements

S-30 – UNIT 200, B-101 HEATER

	5-50 - UNII 200, B-101 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month	Condition	per day	analysis				
	1694, Part				1694, Part						
	A.4				A.3a						
Fuel Flow		Y		No limit	BAAQMD	C	Fuel				
					9-10-502.2		Flowmeter				
throughput	BAAQMD	Y		4.2 E 6 therm/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

 $\label{eq:continuous} Table~VII-A.23$ Applicable Limits and Compliance Monitoring Requirements

S-31 – UNIT 200, B-501 HEATER

Type of	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
-		Y	Date			,	V 4
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	P/A	source test
					9-10-502.1		

 $\label{eq:continuous} Table~VII-A.23$ Applicable Limits and Compliance Monitoring Requirements

S-31 – UNIT 200, B-501 HEATER

	5-51 - UNII 200, B-301 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test				
	9-10-305				9-10-502.1						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
	BAAQMD	Y		Prohibition of nuisance	None	N	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month	Condition	per day	analysis				
	1694, Part				1694, Part						
	A.4				A.3a						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				
throughput	BAAQMD	Y		1.7 E 6 therm/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

 $\label{eq:continuous} Table~VII-A.24\\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-43 – UNIT 200, B-202 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S-43 – UNIT 200, B-202 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
NOx	BAAQMD	Y		40 ppmv NOx at 3% O2	BAAQMD	С	NOx, O2
	Condition			over any 8 hours, except	1-520.8		CEM
	1694, Part			startups and shutdowns, at			
	D.2			S-43, S-44			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
O2		Y		No limit	BAAQMD	С	CEM
					Condition		
					1694, Part D4		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
CO	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any month, except startups	9-10-502.1		
	1694, Part			and shutdowns, at S-43, S-			
	D.3			44			
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	None
	6-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				BTU in 24 hours; applies to	sources		
				sources rated over 140 MM			
				BTU/hr (with tubes)			

 $\label{eq:continuous} Table~VII-A.24 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-43 – UNIT 200, B-202 HEATER

	S-43 - UNII 200, D-202 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None				
	6-301		_	than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
	BAAQMD	Y		Prohibition of nuisance	None	N	None				
	6-305		_								
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3		_		gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month	Condition	per day	analysis				
	1694, Part				1694, Part						
	A.4				A.3a						
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S				
	Subpart J			limited to 230 mg/dscm	Subpart		analyzer				
	60.104(a)			(0.10 gr/dscf) except for gas	J,60.105(a)(4)						
	(1)			burned as a result of							
				process upset or gas burned							
				at flares from relief valve							
				leaks or other emergency							
				malfunctions; this							
				requirement applies to							
				sources installed/modified							
				after 6/11/73 and burning							
				refinery gas							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				
throughput	BAAQMD	Y		19.1 E 6 therm/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

 $\label{eq:continuous} Table~VII-A.25$ Applicable Limits and Compliance Monitoring Requirements

S-44 – UNIT 200, B-201 HEATER

		1	5-44	– UNII 200, B-201 HE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
NOx	BAAQMD	Y		40 ppmv NOx at 3% O2	BAAQMD	С	CEM
	Condition			over any 8 hours, except	Condition		
	1694, Part			startups and shutdowns, at	1694, Part		
	D.2			S-43, S-44	D.4		
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
O2		Y		No limit	BAAQMD	С	CEM
					Condition		
					1694, Part		
					D.4		
СО	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
СО	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any month, except startups	9-10-502.1		
	1694, Part			and shutdowns, at S-43, S-			
	D.3			44			
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		

 $\label{eq:continuous} Table~VII-A.25$ Applicable Limits and Compliance Monitoring Requirements

S-44 – UNIT 200, B-201 HEATER

			5 •••	– UNII 200, B-201 HE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3		_		gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		3.8 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.26
Applicable Limits and Compliance Monitoring Requirements
S-50, S-51, S-52 – TURBINE STARTUP ENGINES

			0, 5-51, 1	J-32 TURDINE STAR		-	
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	N	N/A
	6-303.1			more than 3 minutes in any			
				hour			
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 gr/dscf	None	N	N/A
	6-310						
Hours of	9-8-111.1	Y		Exemptions: Engines rated	BAAQMD	P/M	records
operation				at or below 1000 brake	9-8-502		
				horsepower which operate			
				less than 200 hours in any			
				12-consecutive month			
				period			
Hours of	BAAQMD	N		up to 100 hour/yr	BAAQMD	P/M	records
operation	Condition				Condition		
	19488, Part				19488, Part 2		
	1						
SO2	BAAQMD	Y		Fuel Sulfur Limit	None	P/E	fuel
	9-1-304			0.5% by weight			certification

Table VII – A.27 Applicable Limits and Compliance Monitoring Requirements S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	N	N/A
	6-303.1			more than 3 minutes in any			
				hour			
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						

Table VII – A.27 Applicable Limits and Compliance Monitoring Requirements S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

5-55, 5-57, 5-50, 5-57, 5-50, 5-57 EMERGENCI DIESEL ENGINES									
			Future		Monitoring	Monitoring			
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring		
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type		
FP	BAAQMD	Y		0.15 gr/dscf	None	N	N/A		
	6-310								
Hours of	BAAQMD	N		up to 100 hour/yr (non-	BAAQMD	С	totalizing		
operation	Condition			emergency)	Condition		meter		
	19488, Part				19488, Part 6				
	3								
Hours of	BAAQMD	N		up to 100 hours for	BAAQMD	C	totalizing		
operation	9-8-330			reliability testing	9-8-530		meter		
SO2	BAAQMD	Y		Fuel Sulfur Limit	None	P/E	fuel		
	9-1-304			0.5% by weight			certification		

Table VII – A.28
Applicable Limits and Compliance Monitoring Requirements
S-336 – UNIT 231, B-104 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	semi-annual
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		source test
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		No limit	BAAQMD	P/SA	source test
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		

 $\label{eq:continuous} Table~VII-A.28 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-336 – UNIT 231, B-104 HEATER

			Future	,	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD 6-305	Y	ı	Prohibition of nuisance	None	N	None
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3		_		gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	1	Y		9.2 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} Table~VII-A.29$ Applicable Limits and Compliance Monitoring Requirements

S-337 – UNIT 231, B-105 HEATER

S-357 - UNIT 231, B-105 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1						
NOx	BAAQMD	Y		Federal emissions:	None	N	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMBTU							
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records				
combustion	Condition			(see condition)	Condition						
emissions	1694, Part				1694, Part						
	A.1				A.5						
O2		Y		No limit	BAAQMD	P/SA	source test				
					9-10-502.1						
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305				9-10-502.1						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
	BAAQMD	Y		Prohibition of nuisance	None	N	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month	Condition	per day	analysis				
	1694, Part				1694, Part						
	A.4				A.3a						

 $\label{eq:continuous} Table~VII-A.29$ Applicable Limits and Compliance Monitoring Requirements

S-337 – UNIT 231, B-105 HEATER

	1		5-557	ONII 231, D-103 III	n		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		2.8 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	BAAQMD	C	NOx, O2
	Condition			over any 3 hours, except	Condition		CEM
	1694, Part			startups and shutdowns, at	1694, Part		
	B.2			S-351	B.3		
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	C	CEM
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301		_	than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		_				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3		_		gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		-
	A.4				A.3a		

Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J,		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		8.4 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.31 Applicable Limits and Compliance Monitoring Requirements S-371 – UNIT 228, B-520 FURNACE

				/			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

 $\label{eq:continuous} Table~VII-A.31 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-371 – UNIT 228, B-520 FURNACE

			Future	- Unii 220, D-320 F 0.		Monitoring	
T	C'4.4'	1919			Monitoring	_	B/F *4 *
Type of	Citation	FE	Effective	T	Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	BAAQMD	С	CEM
	Condition			over any 3 hours, except	1-520.8		
	1694, Part			startups and shutdowns			
	C.2						
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
CO	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any 3 hours, except startups	9-10-502.1		
	1694, Part			and shutdowns			
	C.3						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
1	6-301		_	than 3 minutes in any hour	gaseous-		
				,	fueled		
					sources		
Opacity	BAAQMD	Y		Prohibition of nuisance	None	N	None
TJ	6-305		•				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3	_	•	5. 1. 8. mar. 3. 3. 1. 3	gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
502	Condition	1		month	Condition	per day	analysis
	1694, Part			monu	1694, Part	per uay	anarysis
	Ī						
	A.4				A.3a		

 $\label{eq:continuous} Table~VII-A.31 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-371 – UNIT 228, B-520 FURNACE

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J,		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		4.8 E 6 therm/yr for S-371	BAAQMD	P/M	records
	Condition			and S-372 combined	Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} Table~VII-A.32\\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-372 – UNIT 228, B-521 FURNACE

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301			0.033 lb NOx/ MMBTU	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

 $\label{eq:continuous} Table~VII-A.32 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-372 – UNIT 228, B-521 FURNACE

			Future	- Unii 220, D-321 F0.		Monitoring	
TD 6	G'' ''	- DE			Monitoring	_	3.6
Type of	Citation	FE	Effective	T.	Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	BAAQMD	С	NOx, O2
	Condition			over any 3 hours, except	1-520.8		CEM
	1694, Part			startups and shutdowns			
	C.2						
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Y		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		Y		No limit	BAAQMD	С	CEM
					9-10-502.1		
CO	BAAQMD	Y		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305			11 (), 2)	9-10-502.1		
СО	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any 3 hours, except startups	9-10-502.1		
	1694, Part			and shutdowns			
	C.3			11-12 2			
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
o p.m.r.ry	6-301		<u>-</u>	than 3 minutes in any hour	gaseous-		- 1,0-1,0
	0 301			unan s minaves in any nour	fueled		
					sources		
	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305		•	Transmon of manamee	1,0110	11	1,0110
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
11	6-310.3	1	•	0.13 grann aser (a) 070 02	gaseous-	11	1 10110
	0-510.5				fueled		
					sources		
SO2	DAAOMD	Y		1 559 lb/day CO2 array		D/2 times	TDC
502	BAAQMD	Y		1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		

 $\label{eq:continuous} Table~VII-A.32\\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-372 – Unit 228, B-521 Furnace

			~ • • • •	- UNII 220, D-321 FU			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		4.8 E 6 therm/yr for S-371	BAAQMD	P/M	records
	Condition			and S-372 combined	Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous} Table~VII-A.33$ Applicable Limits and Compliance Monitoring Requirements

S-438 – UNIT 110, H-1 FURNACE

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 or	BAAQMD	С	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2	BAAQMD	C	CEM
	Condition			over any 3 hours, except	1-520.8		
	1694, Part			startups and shutdowns, at			
	E.4			S-438			

$\label{eq:continuous} Table~VII-A.33$ Applicable Limits and Compliance Monitoring Requirements

S-438 – UNIT 110, H-1 FURNACE

	S-430 - UNII 110, II-1 FURNACE										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
All	BAAQMD	Y		heat ratings, firing limits	BAAQMD	P/D	records				
combustion	Condition			(see condition)	Condition						
emissions	1694, Part				1694, Part						
	A.1				A.5						
all	BAAQMD	Y		2.04 E 12 BTU/yr fuel	BAAQMD	P/D	records				
combustion	Condition			combustion at S-438	Condition						
emissions	1694, Part				1694, Part						
	E.2				E.6						
O2		Y		CEM for NOx and O2 or	BAAQMD	С	CEM				
				CO2	1-520.8						
CO	BAAQMD	Y		32 ppmv CO at 3% O2 over	None	N	None				
	Condition			any 24 hr, except startups							
	1694, Part			and shutdowns, at S-438							
	E.4										
TRS	BAAQMD	Y		1 ppmw TRS in PSA offgas	Overall fuel	P/D	records				
	Condition			used as fuel, at S-438	TRS						
	1694, Part				monitored by						
	E.3				BAAQMD						
					Condition						
					1694, Part						
					E.5						
TRS	BAAQMD	Y		50 ppmv TRS over any	BAAQMD	P/3 times	TRS				
	Condition			month, in fuel gas, at S-438	Condition	per day	analysis				
	1694, Part				1694, Part						
	E.5				E.5						
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	None				
	6-304			Ringelmann No. 2 for 3	gaseous-						
				min/hr and 6 min/billion	fueled						
				BTU in 24 hours; applies to	sources						
				sources rated over 140 MM							
				BTU/hr (with tubes)							

 $\label{eq:continuous} Table~VII-A.33$ Applicable Limits and Compliance Monitoring Requirements

S-438 – UNIT 110, H-1 FURNACE Future Monitoring Monitoring Type of Citation FE **Effective** Requirement Frequency Monitoring Limit of Limit Citation (P/C/N) Y/N Date Limit Type BAAQMD None for Y Ringelmann 1 for no more Ν None 6-301 than 3 minutes in any hour gaseousfueled sources BAAQMD Y Prohibition of nuisance None N None 6-305 **BAAQMD** 0.15 grain/dscf @ 6% O2 FP None for Ν None 6-310.3 gaseousfueled sources 1,558 lb/day SO2 over any TRS SO₂ BAAOMD BAAQMD P/3 times Condition month Condition per day analysis 1694, Part 1694, Part A.3a A.4 H2S 40 CFR 60 Y fuel gas H2S concentration 40 CFR C H2S Subpart J limited to 230 mg/dscm 40 CFR analyzer 60.104(a) (0.10 gr/dscf) except for gas 60.105(a)(4) (1) burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions; this requirement applies to

> sources installed/modified after 6/11/73 and burning refinery gas

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-400 WET WEATHER WASTEWATER SUMP

S-401 DRY WEATHER WASTEWATER SUMP

Type of Limit	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	OI LIMIT	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.b						
VOC	NSPS	Y		No visible gaps or cracks in	NSPS	P/SA	Visual
	Subpart			joints or seals, or other	Subpart		inspections
	QQQ, 40			problems that could result	QQQ, 40		
	CFR			in VOC emissions	CFR 60.692-		
	60.692-				2(c)(2)		
	2(c)(1)						
throughput	BAAQMD	Y		3.68 E 9 gal/yr each for S-	BAAQMD	P/M	records
	Condition			400, S-401	Condition		
	20989,				20989, Part A		
	Part A						

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-324 API OIL/WASTEWATER SEPARATOR

		,-					
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.a						

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-324 API OIL/WASTEWATER SEPARATOR

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		No cracks or gaps in roof	BAAQMD	P/SA	Visual
	8-8-306.1			seals, acess doors, and other	8-8-306.1		inspections
				openings in the effluent			
				channel greater than 0.32			
				cm (0.125 inch) between			
				the roof and wall			
VOC	NSPS	Y		Fixed roof access doors or	NSPS	P/SA	Visual
	Subpart			openings shall be gasketed,	Subpart		inspections
	QQQ, 40			latched, and kept closed	QQQ, 40		
	CFR				CFR 60.692-		
	60.692-3(a)				3(a)(4)		
VOC	NSPS	Y		Roof openings shall be	NSPS	P/SA	Visual
	Subpart			equipped with a gasketed	Subpart		inspections
	QQQ, 40			cover, sela, or lid	QQQ, 40		
	CFR			maintained in a closed	CFR 60.693-		
	60.693-			position	2(a)(5)(i)		
	2(a)(2)						
through-	BAAQMD	Y		maximum design	None	N	None
put	Condition			throughput - 7,500 gpm			
	1440, Part 6			during media filter			
				backwash and 7,000 gpm			
				during all other times			
Through-	BAAQMD	Y		3.68 E 9 gal/yr	BAAQMD	P/M	records
put	Condition				Condition		
	20989, Part				20989, Part A		
	A						

Table VII – D

Applicable Limits and Compliance Monitoring Requirements

S-1007 DISSOLVED AIR FLOTATION UNIT

Type of Citation **Future Monitoring Monitoring** Limit of Limit FE Effective Requirement Frequency Monitoring Y/N Date Limit Citation (P/C/N) Type VOC BAAQMD BAAQMD 8-Roof seals, access doors, P/SA visual 8-8-307.1 and other openings shall be 8-307.1 checked by visual inspection initially and semiannually thereafter to ensure that no cracks or gaps greater than 0.32 cm (0.125 inch) occur in the roof or between the roof and wall; and that the access doors and other openings are closed and gasketed properly VOC BAAQMD Y no detectable VOC BAAQMD P/SA VOC Condition Condition emissions analyzer 1440, Part 1440, Part 5 4.b BAAQMD Y throughmaximum design None Ν None Condition throughput - 7,500 gpm put 1440, Part during media filter backwash and 7,000 gpm during all other times throughput BAAQMD Y 3.68 E 9 gal/yr BAAQMD P/M records Condition Condition 20989, Part A 20989, Part A

Table VII - E Applicable Limits and Compliance Monitoring Requirements

S-381 AERATION TANK F-201 S-382 AERATION TANK F-202 S-383 CLARIFIER F-203 S-384 CLARIFIER F-204

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.c						
Through-	BAAQMD	Y		3.68 E 9 gal/yr each for S-	BAAQMD	P/M	records
put	Condition			381, S-382, S-383, S-384	Condition		
	20989, Part				20989, Part A		
	A						

Table VII - F Applicable Limits and Compliance Monitoring Requirements

S-1008 PRIMARY STORMWATER BASIN S-1009 MAIN STORMWATER BASIN

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Through-	BAAQMD	Y		3.68 E 9 gal/yr each for S-	BAAQMD	P/M	records
put	Condition			1008, S-1009	Condition		
	20989, Part				20989, Part A		
	A						

Table VII - G

Applicable Limits and Compliance Monitoring Requirements

S-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207

S-386 – PAC REGENERATION SLUDGE THICKENER F-211

S-387 – WET AIR REGENERATION SYSTEM P-202

S-390 - THICKENED SLUDGE STORAGE F-106

S-392 – REGENERATED PAC SLURRY STORAGE F-266

Type of Limit	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.c						
Through-	BAAQMD	Y		S-385: 3.68 E 9 gal/yr	BAAQMD	P/M	records
put	Condition			S-386: 1.6 E 7 gal/yr,	Condition		
	20989, Part			S-387: 7.884 E 6 gal/yr	20989, Part A		
	A			S-390: 7.884 E 6 gal/yr			
				S-392: 7.884 E 6 gal/yr			

Table VII – H Applicable Limits and Compliance Monitoring Requirements

WASTEWATER JUNCTION BOXES

Type of	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
None							
VOC	NSPS	Y		Junction box covers shall	NSPS	P/SA	Visual
	Subpart			have a tight seal around the	Subpart		inspections
	QQQ, 40			edge and kept in place at all	QQQ, 40		
	CFR			times	CFR 60.692-		
	60.692-				2(b)(3)		
	2(b)(2)						

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	NSPS	Y		No visible gaps or cracks in	NSPS	P/SA	Visual
	Subpart			joints or seals, or other	Subpart		inspections
	QQQ, 40			problems that could result	QQQ, 40		
	CFR			in VOC emissions	CFR 60.692-		
	60.692-				2(c)(2)		
	2(c)(1)						

Table VII – J

Applicable Limits and Compliance Monitoring Requirements

WASTEWATER GAUGING AND SAMPLING DEVICES

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					8-8-603		detector

Table VII – K

Applicable Limits and Compliance Monitoring Requirements

S294 – NON-RETAIL GASOLINE DISPENSING FACILITY

	~-	<i>1</i> /Τ .	TOIT TEE	AIL GASOLINE DI	71 BI (811 (8 1 11		
	S		Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Vapor recovery	BAAQMD	A	Vapor
	Regulation			equipment shall be	Regulation		tightness test
	8-7-301.6			leak-free and vapor	8-7-301.13		
	and 8-7-			tight			
	302.5						
VOC	BAAQMD	N		98% or highest vapor	None	N	None
	Regulation			recovery rate specified			
	8-7-301.10			by CARB			

Table VII – K Applicable Limits and Compliance Monitoring Requirements

S294 - NON-RETAIL GASOLINE DISPENSING FACILITY **Future** Monitoring Monitoring Citation of FE Effective Frequency Type of Requirement **Monitoring** Limit Limit Y/N Date Citation (P/C/N) Limit Type VOC None BAAQMD Backpressure None Α Regulation test 8-7-302.14 VOC BAAQMD Fugitives ≤ 0.42 None N None lb/1000 gallon Regulation 8-7-313.1 VOC BAAQMD N Spillage ≤ 0.42 N None None Regulation lb/1000 gallon 8-7-313.2 VOC BAAQMD N Liquid Retain + N None None Regulation Spitting ≤ 0.42 8-7-313.3 lb/1000 gallon SIP Y VOC 95% recovery of None N None Regulation gasoline vapors 8-7-301.2 VOC California leakage levels as P/36 months Ν BAAQMD leak test Air specified in Executive Condition Order VR-101 Resources 18680, Part 2 Board Executive Order VR-101 throughpu BAAQMD Ν 400,000 gal/yr BAAQMD P/A Records Condition Regulation 7523 8-7-503 **BAAQMD** P/M Records Condition 20989, Part A BAAQMD Y throughpu 20 gpm None N None Condition 20989, Part Α

$Table\ VII\ -\ L$ Applicable Limits and Compliance Monitoring Requirements $S\text{-}296-C\text{-}1\ FLARE$

S-296 – C-1 FLARE S-398 – MP-30 FLARE

[Flares which are visually inspected upon release, with no remote viewing system]

[I Iai C		CVIS		pecteu upon release, v		te viewing	system
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y	6/1/04	Ringelmann No. 1 for no	BAAQMD	P/E	Visual
	Regulation			more than 3 minutes/hr	Condition		Inspection
	6-301				18255, Part 1		
FP	BAAQMD	Y	6/1/04	No emissions from source >	BAAQMD	P/E	Visual
	Regulation			0.15 grains per dscf of gas	Condition		Inspection
	6-310			volume	18255, Part 1		
SO2	60.104(a)(1	Y		S-398 is exempt per	None	N	None
)			restriction in Condition			
				18255, Part 2; does not			
				apply to S-296			
		N	12/4/03		BAAQMD Regulation 12- 11-501 &	P/C	Flow Rate
					12-11-505		
		N	9/4/03		BAAQMD Regulation 12-11-502.1 &	P/E	Composition
					12-11-505		
		N	3/4/04		BAAQMD Regulation 12-11-502.3 &	P/E	Composition
					12-11-505		
		N			BAAQMD	P/C	<u>Flame</u>
					Regulation 12-11-503 &		<u>Detector</u>
					12-11-505		
		N			BAAQMD	P/C	Purge Gas
					Regulation 12-11-504 &		Flow Rate
					12-11-505		

Table VII - L Applicable Limits and Compliance Monitoring Requirements

S-296 – C-1 FLARE S-398 – MP-30 FLARE

[Flares which are visually inspected upon release, with no remote viewing system]

[I lait	s which at	C V15	uany ms	pecteu upon reiease, v	vitii iio i ciiio	tt vicwing	system
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
		N	12/4/03		BAAQMD	P/C	1 frame per
			(if video		Regulation 12-		minute
			monitor		11-507		image video
			installed				recording
			by				1000141115
			1/1/03)				
		N	12/4/03		BAAQMD	P/C	1 frame per
			(if any		Regulation 12-		minute
			>1E6		11-507		image video
			SCF/24-				recording
			hr vent				recording
			gas				
			flared)				

$Table\ VII-M$ Applicable Limits and Compliance Monitoring Requirements $S\text{--}300-U\text{--}200\ DELAYED\ COKER$

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel			
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg			
throughpu	BAAQMD	Y		56,000 bbl/day, 52,000	BAAQMD	P/M	records
t	Condition			bbl/day annual average	Condition		
	476, Part				476, Part C.2		
	B.1						

Table VII – N

Applicable Limits and Compliance Monitoring Requirements

S-304 – U-229 MID-BARREL UNIONFINING UNIT

S-305 - U-230 Prefractionator / Naphtha Hydrotreater

S-306 – U-231 PLATFORMING UNIT

S-307 - U-240 UNICRACKING UNIT

S-308 – U-244 REFORMING UNIT

S-309 – U-248 UNISAR UNIT

S-318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT

S-319 – U-215 GASOLINE FRACTIONATING UNIT

S-322 - U-40 RAW MATERIALS RECEIVING

S-435 – REFORMATE SPLITTER

S-436 – DEISOPENTANIZER

S-437 – Hydrogen Plant

	S-437 – HYDROGEN PLANI										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records				
	8-10-301			from process vessel							
				depressurization is required							
				until pressure is reduced to							
				less than 1000 mm Hg							
VOC	BAAQMD	Y		emission streams with 15	BAAQMD	P/D	visual				
(S-307	Condition			lb/day AND 300 ppm total	Condition		inspection				
only)	6671, Part			carbon on a dry basis	6671, Part 4						
	2 and			prohibited							
	8-2-301										
throughput	BAAQMD	Y		S-304: 3.47 E 6 bbl/yr	BAAQMD	P/M	records				
	Condition			S-305: 9.21 E 6 bbl/yr	Condition						
	20989,			S-306: 5.66 E 6 bbl/yr	20989, Part A						
	Part A			S-307: 1.26 E 7 bbl/yr							
				S-435: 6.6 E 6 bbl/yr							
				S-436: 4.7 E 6 bbl/yr							
				S-437: 9.1 E 9 ft3/yr							
throughput	BAAQMD	N		S-308: 5.11 E 6 bbl/yr	BAAQMD	P/M	records				
	Condition			S-309: 6.6 E 8 bbl/yr	Condition						
	20989,			S-318: 3.3 E 7 bbl/yr	20989, Part A						
	Part A			S-319: 4.32 E 6 bbl/yr							

Table VII – O
Applicable Limits and Compliance Monitoring Requirements

S-350 – U-267 CRUDE DISTILLATION UNIT

			Future	-207 CRODE DISTILLA	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel			
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg			
VOC	BAAQMD	Y	4/1/04	crude oil sulfur content	BAAQMD	P/D	analysis
	Condition			limit (1.5 weight%)	Condition		
	383, Part 1a				383, Part 1b		
throughpu	BAAQMD	Y		33,000 bbl/day, 30,000	BAAQMD	P/M	records
t	Condition			bbl/day annual average	Condition		
	383, Part 2				383, Part 3a		

Table VII – P
Applicable Limits and Compliance Monitoring Requirements

S-432 – U-215 DEISOBUTANIZER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel			
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg			
throughput	BAAQMD	Y		2.8 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD	Y		9 ppmv (note 1)	BAAQMD 9-9-	С	CEM
	9-9-301.3			@15% O ₂ (dry)	501, Condition		
					12122, Part 9b		
NOx	NSPS	Y		110 ppmv	BAAQMD 9-9-	C	CEM
	40 CFR 60			@15% O ₂ (dry)	501, Condition		
	Subpart				12122, Part 9b		
	GG, 60.332						
	(a)(2)						
NOx	BAAQMD	Y		66 lb/hr and 167	BAAQMD	С	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9b		
	9a			turbine/duct burner set			
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	C	CEM
	Condition			turbine/duct burner set	Condition		
				AND 83 lb/hr total or	18629, Part		
	18629, Part			25 ppmv at 15% O2 (3	IX.G.1.a		
	IX.E			hr average)			
CO	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						
CO	BAAQMD	Y		200 ton/yr	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	10a						
POC	BAAQMD	Y	4/1/04	6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-354 - COMBUSTION TURBINE

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y	4/1/04	8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	11						
Opacity	BAAQMD	Y		Ringelmann No. 1 for	None for	N	None
	6-301			no more than 3 minutes/hour	gaseous-fueled sources		
				mmutes/nour	Sources		
Opacity	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled sources		
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None
ГГ	6-310	1		0.13 grani/usci	gaseous-fueled	IN	None
	0-310						
					sources		
41	DAAOMD	Y		466 MM BTU/hr at	DAAOMD	P/M	
throughpu	BAAQMD	Y			BAAQMD	P/IVI	records
t	Condition			each turbine/duct	Condition		
	18629, Part			burner set	18629, Part		
	IX.D.2				IX.D.4		
	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
	Condition			total	Condition		
	18629, Part				18629, Part		
	IX.D.3				IX.D.4		
SO2	40 CFR 60	Y		0.8 % sulfur in fuel by	Condition	P/3 times	TRS analysis
	Subpart			weight	12122, Part 12	per day	
	GG,						
	60.333(b)						

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-354 - COMBUSTION TURBINE

-			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
	18629, Part			AND 44 lb/hr total (3-	18629, Part		daily total
	IX.F			hr average); 34 lb/hr	IX.G.1.a		sulfur
				total (3-hr average) for			sampling of
				more than 36 days per			fuel gas
				year AND 153 ton/yr			
				total			
H2S	40 CFR 60,	Y		fuel gas H2S	40 CFR 60,	С	H2S analyzer
	Subpart J,			concentration limited	Subpart J		
	60.104(a)			to 230 mg/dscm (0.10	60.105(a)(4)		
	(1)			gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			

¹ BAAQMD Regulation 9-9-301.2, 9-9-301.3, 9-9-303, and 9-9-305 emission limits may be adjusted pursuant to BAAQMD Regulation 9-9-401.

$\label{eq:continuous_equation} Table~VII-\begin{center} Q.2\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ \end{center}$

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

T. C	C:	EE	Future		Monitoring	Monitoring	3
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD	Y	Date	66 lb/hr and 167	BAAQMD	C (17C/11)	СЕМ
NOX	Condition	1		ton/yr for all sources;	Condition	C	CLIVI
	12122, Part			528 lb/day for each	12122, Part 9b		
	9a			turbine/duct burner set	12122, 1 art 70		
NOx	40 CFR 60,	Y		0.20 lb/MM BTU for	40 CFR 60,	N	None
TOX	Subpart	1		natural gas-firing only	Subpart Db,	11	TVOIC
	Db,			conditions	60.48b(h) –		
	60.44b(a)(4			00-1-01-1-0	Exempt from		
)(i)				NOx CEM		
	,(,)				during natural		
					gas-firing only		
					conditions		
NOx	40 CFR 60,	Y		25 ppmv @ 15% O2	40 CFR 60,	С	CEM
	Subpart			(3-hr average) (based	Subpart Db,		
	Db,			on PSD Permit	60.48b(b)(l)		
	60.44b(f)			Condition 18629, Part	and		
				IX.E)	BAAQMD		
					Condition		
					18629, Part		
					IX.G.1.a		
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	C	CEM
	Condition			turbine/duct burner set	Condition		
				AND 83 lb/hr total or	18629, Part		
	18629, Part			25 ppmv at 15% O2 (3	IX.G.1.a		
	IX.E			hr average)			
CO	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Tr. C	C:	EE	Future		Monitoring	Monitoring	3.5
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO	BAAQMD	Y		200 ton/yr	BAAQMD	С	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	10a						
POC	BAAQMD	Y	4/1/04	6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						
	BAAQMD	Y	4/1/04	8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	11						
Opacity	BAAQMD	Y		Ringelmann No. 1 for	None for	N	None
	6-301			no more than 3 minutes/hour	gaseous-fueled sources		
				minutes/nour	Sources		
Opacity	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled sources		
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None
11	6-310	1		0.15 gram/user	gaseous-fueled	14	TVOIC
	0-310				sources		
throughpu	BAAQMD	Y		2.42 E 12 BTU/yr at	BAAQMD	P/D	records
t	Condition	1		S-355, S-356, S-357	Condition	1/1	records
ι	12122,			(combined)	12122, Part 15		
	Part 6			(comomed)	12122, Fait 13		
		Y		466 MM BTU/hr at	DAAOMD	P/M	
	BAAQMD	Y			BAAQMD	P/IVI	records
	Condition			each turbine/duct	Condition		
	18629, Part			burner set	18629, Part		
	IX.D.2	**		1040 \ 0.5 \ 7.77.7	IX.D.4	D/C f	
	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
	Condition			total	Condition		
	18629, Part				18629, Part		
	IX.D.3				IX.D.4		

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
SO2	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
	18629, Part			AND 44 lb/hr total (3-	18629, Part		daily total
	IX.F			hr average); 34 lb/hr	IX.G.1.a		sulfur
				total (3-hr average) for			sampling of
				more than 36 days per			fuel gas
				year AND 153 ton/yr			
				total			
H2S	40 CFR 60,	Y		fuel gas H2S	40 CFR 60,	С	H2S analyzer
	Subpart J,			concentration limited	Subpart J		
	60.104(a)			to 230 mg/dscm (0.10	60.105(a)(4)		
	(1)			gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			

Table VII - R Applicable Limits and Compliance Monitoring Requirements

S376 - TOOL ROOM COLD CLEANER S377 - MACHINE SHOP COLD CLEANER S378 - AUTO SHOP COLD CLEANER

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		150 gal/yr of citrus-	BAAQMD	P/M	usage records
	Condition			based solvents, or	Condition		
	16677, Part			equivalent amount as	16677, Part 3a		
	1			allowed in Part 2			

Table VII - S
Applicable Limits and Compliance Monitoring Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-301.1	Y		POC Emission ≤ 5.7 grams per cubic meter	BAAQMD Condition	С	A-420 temperature
				(2 lb/1000 barrel) loaded, or	4336, Part 1		
POC	BAAQMD 8-44.301.2	Y		Controlled ≥ 95% weight	BAAQMD Condition 4336, Part 1	С	A-420 temperature
POC	BAAQMD 8-44-303	Y		Leak free and gas tight	Equipment leak inspections as specified in BAAQMD Regulation 8, Rule 18	P/Q	inspection with portable VOC monitor

Table VII - S
Applicable Limits and Compliance Monitoring Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

		· · · · · ·		TAKINE LOADING	1	1	1
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		1300 degrees F	BAAQMD	С	A-420
	Condition			minimum temperature	Condition		temperature
	4336, Part 1			during startup, 1400	4336, Part 2b		
				degrees F minimum			
				temperature after			
				startup			
POC	BAAQMD	Y		maximum loading	BAAQMD	С	loading
	Condition			pressure relative to	Condition		pressure
	4336, Part 5			lowest relief valve	4336, Part 2a		
				setting (80%)			
POC	BAAQMD	Y		25,000 bbl/day of	BAAQMD	P/D	loading records
	Condition			gasoline, naphtha and	Condition		
	4336, Part 6			C5/C6 compounds	4336, Part 7		
throughpu	BAAQMD	Y		2.8 E 6 bbl/yr	BAAQMD	P/M	records
t	Condition				Condition		
	20989,				20989, Part A		
	Part A						

$\label{eq:total condition} \textbf{Table VII-T} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-450 – GROUNDWATER EXTRACTION TRENCHES

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
None							

Table VII – U

Applicable Limits and Compliance Monitoring Requirements S1001 - SULFUR PLANT UNIT 234

S1002 - SULFUR PLANT UNIT 236

S1003 - SULFUR PLANT UNIT 238

S-301 - MOLTEN SULFUR PIT 234

S-302 - MOLTEN SULFUR PIT 236

S-303 - MOLTEN SULFUR PIT 238

			5 505	- MIOLIEN SULFUR			
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
(H2S,	BAAQMD	N	4/1/04	95% of H2S in	BAAQMD Condition	P/A	Source Test
ammonia)	9-1-313.2			refinery fuel gas is	19278		
	and SIP	Y		removed and	Part 1		
	9-1-313.2			recovered on a			
				refinery-wide basis			
				AND 95% of H2S in			
				process water streams			
				is removed and			
				recovered on a			
				refinery-wide basis			
				AND 95% of			
				ammonia in process			
				water streams is			
				removed; refineries			
				which remove the			
				equivalent of 16.5			
				ton/day or more of			
				elemental sulfur shall			
				install a sulfur			
				recovery plant or			
				sulfuric acid plant			
Opacity	BAAQMD	Y		Ringelmann No. 1 for	None for	N	None
	6-301			no more than 3 minutes/hour	gaseous-fueled sources		
Opacity	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled		
	D	•••		0.45	sources	27	
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None
	6-310				gaseous-fueled		
					sources		

Table VII – U

Applicable Limits and Compliance Monitoring Requirements

S1001 - SULFUR PLANT UNIT 234

S1002 - SULFUR PLANT UNIT 236

S1003 - SULFUR PLANT UNIT 238

S-301 - MOLTEN SULFUR PIT 234

S-302 - MOLTEN SULFUR PIT 236

S-303 - MOLTEN SULFUR PIT 238

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO3,	BAAQMD	Y	4/1/04	0.08 grain/dscf	BAAQMD Condition	P/A	Source Test
H2SO4	6-330			exhaust concentration	19278		
				of SO3 and H2SO4,	Part 2		
				expressed as 100%			
				H2SO4			
throughput	BAAQMD	N		89,425 long ton/yr for	BAAQMD	P/M	records
	Condition			S-1001, 1002, 1003,	Condition		
	20989, Part			301, 302, 303	20989, Part A		
	A						

 $Table\ VII-V$ Applicable Limits and Compliance Monitoring Requirements $S\text{-}370-ISOMERIZATION\ UNIT\ 228$

				ISOMERICE THON CIT			
Townsof	Citatian	IDID	Future		Monitoring	Monitoring	Manitanina
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel			
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg			
VOC	BAAQMD	Y		daily feed rate limit (11,040	BAAQMD	P/D	records
	Condition			bbl/day)	Condition		
	12121,				12121, Part 2		
	Part 1						
throughput	BAAQMD	Y		4.03 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S-380 – ACTIVATED CARBON SILO (P-204)

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y	4/1/04	Ringelmann No. less than	BAAQMD	P/Q	Pressure
	Regulation			1 for more than 3	Condition		Drop
	6-301			minutes/hr	18251, Part 2b		
Opacity	BAAQMD	Y	4/1/04	Prohibition of nuisance	BAAQMD	P/Q	Pressure
	6-305				Condition		Drop
					18251, Part 2b		
FP	BAAQMD	Y	4/1/04	No emissions from source >	BAAQMD	P/Q	Pressure
	Regulation			0.15 grains per dscf of gas	Condition		Drop
	6-310			volume	18251, Part 2b		

 $\label{eq:continuous_problem} \textbf{Table VII-W} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements}$

S-380 – ACTIVATED CARBON SILO (P-204)

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP	BAAQMD	Y	4/1/04	No emissions from source >	BAAQMD	P/Q	Pressure
	Regulation			rate specified in rule	Condition		Drop
	6-311				18251, Part 2b		
throughput	BAAQMD	Y		2,628 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S-389 – DIATOMACEOUS EARTH SILO (F-214)

		,	D 17	ATOMACEOUS EARTH			
Type of			Future		Monitoring	Monitoring	
Limit	Citation	FE	Effective		Requirement	Frequency	Monitoring
	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y	4/1/04	Ringelmann No. less than	BAAQMD	P/E	Pressure
	Regulation			1 for more than 3	Condition	(baghouse	Drop
	6-301			minutes/hr	18251, Part 2c	operation)	
Opacity	BAAQMD	Y	4/1/04	Prohibition of nuisance	BAAQMD	P/E	Pressure
	6-305				Condition	(baghouse	Drop
					18251, Part 2c	operation)	
FP	BAAQMD	Y	4/1/04	No emissions from source >	BAAQMD	P/E	Pressure
	Regulation			0.15 grains per dscf of gas	Condition	(baghouse	Drop
	6-310			volume	18251, Part 2c	operation)	
FP	BAAQMD	Y	4/1/04	No emissions from source >	BAAQMD	P/E	Pressure
	Regulation			rate specified in rule	Condition	(baghouse	Drop
	6-311				18251, Part 2c	operation)	
throughput	BAAQMD	Y		1,840 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\begin{tabular}{ll} Table \ VII-AB \\ Applicable \ Limits \ and \ Compliance \ Monitoring \ Requirements \\ COMPONENTS \end{tabular}$

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		General equipment leak ≤	BAAQMD	P/Q	Inspection
	Reg. 8-18-			100 ppm	Reg. 8-18-		
	301				401.2		
POC	BAAQMD	Y		Valve leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	Reg. 8-18-				Reg. 8-18-		
	302				401.2		
POC	BAAQMD	Y		Pump and compressor leak	BAAQMD	P/Q	Inspection
	Reg. 8-18-			≤ 500 ppm	Reg. 8-18-		
	303				401.2		
POC	BAAQMD	Y		Connection leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	Reg. 8-18-				Reg. 8-18-		
	304				401.2e		
POC	BAAQMD	Y		Pressure relief valve leak ≤	BAAQMD	P/Q	Inspection
	Reg. 8-18-			500 ppm	Reg. 8-18-		
	305				401.2		
POC	BAAQMD	Y		Valve, pressure relief,	BAAQMD	P/quarterly	report
	Reg. 8-18-			pump or compressor must	Reg. 8-18-		
	306.1			be repaired within 5 years	502.4		
				or at the next scheduled			
				turnaround			
POC	BAAQMD	Y		Awaiting repair	BAAQMD	P/within 24	Inspection
	Reg. 8-18-			Valves ≤ 0.5%	Reg. 8-18-	hours	
	306.2			Pressure Relief ≤ 1%	401.5		
				Pump and Connector ≤1%			

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

			Future	COMPONENTS	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		Mass emissions & non-	BAAQMD	P/D	Inspection
	Reg. 8-18-			repairable equipment	Reg. 8-18-		
	306.3.2			allowed	401.3		
				Valve ≤ 0.1 lb/day &			
				<u>≤</u> 1.0%			
				Pressure Relief ≤ 0.2 lb/day			
				& ≤5%			
				Pump and Connector ≤ 0.2			
				lb/day & ≤ 5%			
POC	BAAQMD	Y		Total valve, pressure relief,	BAAQMD	P/Q	sampling or
	Reg. 8-18-			pump or compressor leaks	8-18-502.4		equivalent
	306.3.3			\geq 15 lb/day, they must be			
				repaired within 7 days			
POC	SIP Reg. 8-	Y		10,000 ppm	BAAQMD	P/Q	inspection
	28-301				8-28-402		
POC	BAAQMD	N		Vent Pressure Relief	BAAQMD	P/turn-	None
	Reg.8-28-			Devices to an Abatement	8-28-405	around	
	303			Device with at least 95% by			
				weight control efficiency or			
				Meet Prevention Measures			
				Procedures			
POC	BAAQMD	N		PHA within 90 days and	BAAQMD	P/release per	None
	Reg.8-28-			meet Prevention Measures	8-28-405	5 calendar	
	304			Procedures. After 2 nd		year	
				release Vent Pressure Relief			
				Devices to an Abatement			
				Device with at least 95% by			
				weight control efficiency.			
	m			40 CFR 60; Subpart QQQ	T		
POC	40 CFR	Y		Closed-vent systems <500	40 CFR	P/SA	Measure for
	60.692-5			ppm above background	60.692-5		leaks
	(e)(1)				(e)(1)		

 $\begin{tabular}{ll} Table \ VII-AB \\ Applicable \ Limits \ and \ Compliance \ Monitoring \ Requirements \\ COMPONENTS \end{tabular}$

			_	COMPONENTS			
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR	Y		Closed-vent systems using	40 CFR	P/E	Repair after
	60.692-5 (a)			combustion devices shall	60.692-5		emissions
				have 0.75 seconds	(e)(5)		are detected
				residence and minimum			within 30
				temp of 816C			days
POC	40 CFR	Y		Vapor recovery greater than	None	N	None
	60.692-5			or equal to 95%			
	(b)						
		1		40 CFR 60; Subpart VV			
POC	40 CFR	Y		Pump leak ≥ 10,000 ppm	40 CFR	P/M	Measure for
	60.482-2				60.482-2		leaks
	(b)(1)				(a)(1)		
POC	40 CFR	Y		Pump leak Indicated by	40 CFR	P/W	Visual
	60.482-2			dripping liquid	60.482-2		Inspection
	(b)(2)				(a)(2)		
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-2(e)			emissions" ≤ 500 ppm	60.482-		leaks
					2(e)(3)		
POC	40 CFR	Y		Pump leak $\geq 10,000$ ppm	40 CFR	P/5 days	Visual,
	60.482-8				60.482-8 (a)		audible,
	(b)						olfactory
							Inspection;
							Measure for
							leaks
POC	40 CFR	Y		Pressure relief valve	40 CFR	P/E	Measure for
	60.482-4(b)			(gas/vapor) leak ≥ 500 ppm	60.482-4(b)		leaks within
				within 5 days after a			5 days after
				pressure release event			release
POC	40 CFR	Y		Valve leak ≥ 10,000 ppm	40 CFR	P/M	Measure for
	60.482-7(b)				60.482-7(a)		leaks
POC	40 CFR	Y		Valve leak $\geq 10,000$ ppm; 2	40 CFR	P/Q	Measure for
	60.482-7(b)			successive months w/o	60.482-7(c)		leaks
				leaking			
L	ll				1		l

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

			Future	COMICIVE	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-7(f)			emissions" ≤ 500 ppm	60.482-7		leaks
				T T T T T T T T T T T T T T T T T T T	(f)(3)		
POC	40 CFR	Y		Pumps and valves in heavy	40 CFR	P/E	Visible,
	60.482-8(a)			liquid service, Pressure	60.482-8(a)		Audible, or
				Relief devices (light or			olfactory
				heavy liquid), Flanges,			Inspection
				Connectors leak shall be			
				measured for leak in 5 days			
				if detected by inspection			
POC	40 CFR	Y		Pressure Relief devices	40 CFR	P/E	Measure for
	60.482-8(b)			(liquid), Flanges,	60.482-8(a)		leaks
				Connectors leak ≥ 10,000			
				ppm			
POC	40 CFR	Y		Closed-vent systems and	None	N	None
	60.482-10			control devices: Vapor			
	(b)			recovery systems ≥ 95%			
POC	40 CFR	Y		Combustion devices ≥ 95%	None	N	None
	60.482-10			destruction efficiency or ≥			
	(c)			0.75 seconds and ≥ 816°C			
POC	40 CFR	Y		Closed-vent systems leak ≥	40 CFR	P/A	Measure for
	60.482-10			500 ppm and visible leak	60.482-10 (f)		leaks;
	(g)			indication			Visual
							Inspection
POC	40 CFR	Y		Individual valve that	same as limit	P/Q	Measure for
	60.483 and			measures <100 ppm for 5			leaks
				consecutive quarters may			
	BAAQMD			be monitored annually, if in		P/A	
	8-18-404.1			a process unit with 5 consecutive quarters <2%			
				valves leaking ≥10,000			
				ppm.			
	II.			40 CFR 61; Subpart FF	1		l
				, ~m~pm···			

$\begin{tabular}{ll} Table \ VII-AB \\ Applicable \ Limits \ and \ Compliance \ Monitoring \ Requirements \\ COMPONENTS \end{tabular}$

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR	Y		Exemption for facilities	40 CFR	P/A	report
	61.342 (a)			with less than 10 Mg/yr of	61.357 (c)		
				benzene in waste			

Table VII – B1 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS

S-433 (F224 - MOSC)

			1	S-433 (F224 - MOSC	<u>, </u>							
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
	BAAQMD 8	SAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	Exempt per 8-5-117. Low vapor pressure										
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure					
	Condition			when true vapor pressure is less	Condition		determination					
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material					
							change					
BAAQMD	BAAQMD 8	-8 – O	rganic Con	npounds – Wastewater (Oil V	Vater Separatoi	rs)						
8-8												
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable					
	8-8-303			sampling devices	8-8-504		hydrocarbon					
					8-8-603		detector					
VOC	BAAOMD	Y		Combined	BAAQMD	N	Source test or					
	8-8-304			collection/destruction	8-8-602		EPA Method					
				efficiency of 95% by			25 or 25A					
				weight.								
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries							
	Exempt	per 63	.640(d)(5).	Emission point routed to fue	el gas system.							
NSPS	40 CFR 60 S	ubpar	t QQQ - V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ems					
QQQ												
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual					
	60.692-3(a)				60.692-3(a)(4)	initially and	inspection					
						semi-						
						annually						

Table VII – B1 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS

S-433 (F224 - MOSC)

				5-455 (F224 - MOSC	<i>)</i>		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Records
				40 CFR 60.692-3(a)	60.697(c)	when	
				inspections that could result		problem is	
				in VOC emissions		identified	_
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result in VOC emissions		semi- annually	
				III VOC ciiiissioiis		aiiiuaiiy	
NSPS	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels			
Kb	MONITORI	NG F	OR RECOF	RDKEEPING ONLY			
VOC	40 CFR	Y		True vapor pressure less	40 CFR	periodic	Record
	60.110b(c)			than 3.5 kPa.	60.116b	initially and	
					(b)	upon change	
						of service	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	Y		138,700 bbl/yr	BAAQMD	P/W	records
	Condition				Condition		
	7353, Part 4				7353, Part 5		

Table VII – B2 Applicable Limits and Compliance Monitoring Requirements Low Vapor Pressure Permitted Tanks Subject to MACT Recordkeeping S-118 (Tank 163)

			_	5-110 (TAINK 105)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8	-5 - Oı	rganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per	8-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
	,						change
NESHAPS	40 CFR 63 S	ubpar	t CC – NES	SHAP for Petroleum Refiner	ies		
CC	MONITORI	NG F	OR RECOR	RDKEEPING ONLY			
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and	
				for Group 2 determination.	(iv)	upon change	
						in service	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	N		15,000 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	-				20,00,1 uit /1		
	A						

Table VII – B3 Applicable Limits and Compliance Monitoring Requirements Low Vapor Pressure Permitted Tanks < 10,000 Gallons S-117 (Tank 162), S-193 (Tank 305), S-194 (Tank 306)

Type of	Emission	•	Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	Exempt per	Exempt per 8-5-117. Low vapor pressure							
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure		
	Condition			when true vapor pressure is less	Condition		determination		
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material		
	,						change		

Table VII – B3 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS S-117 (TANK 162), S-193 (TANK 305), S-194 (TANK 306)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
NONE	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per	63.641	storage ve	ssel definition. Size less than	or equal to 10,	000 gallons.	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	N		S-117: 8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition			S-193: 100 bbl/yr	Condition		
	20989, Part			S-194: 100 bbl/yr	20989, Part A		
	A						

Table VII – B4 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS

S-238 (TANK 211), S-239 (TANK 212)

			5-256 (1 ANK 211), S-239 (1 A	NK 212)						
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	8-5-11	7. Low vap	or pressure							
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure				
	Condition			when true vapor pressure is less	Condition		determination				
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material				
	20,75,14111						change				
NONE	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries						
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.						
BAAQMD	PERMIT CO	ONDIT	TIONS								
Permit											
throughput	BAAQMD	N		S-238: 1.0 E 6 bbl/yr	BAAQMD	P/M	Records				
	Condition			S-239: 8.76 E 6 bbl/yr	Condition						
	20989, Part				20989, Part A						
	A										

Table VII – B5
Applicable Limits and Compliance Monitoring Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS
S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

		(5-170 (1ANK 302), 5-3	1	1	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-	5 - Oı	ganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per 8	8-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
							change
BAAQMD	BAAQMD 8-	8 – O	rganic Con	npounds – Wastewater (Oil V	Vater Separato	rs)	
8-8				1	Ī	•	T
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					8-8-603		detector
VOC	BAAQMD	Y		Combined	BAAQMD	N	Source test or
	8-8-304			collection/destruction	8-8-602		EPA Method
				efficiency of 95% by			25 or 25A
				weight.			
NESHAPS				SHAPS for Petroleum Refine			
CC and		-		S for VOL Storage Vessels at	Petroleum Re	fineries	
NSPS Kb	RECORDKE	1	G ONLY	1	r	r	1
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	63.640(n)(1)			than 3.5 kPa.	63.640(n)(8)		
	60.110b(c)				60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	<u>periodic</u>	Notification
pressure				kPa).	63.640(n)(8)	within 30 days	
					60.116b(d)	of exceedance	
NSPS	40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	istewater Syste	ms
QQQ				<u> </u>	T	 	1
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	<u>periodic</u>	Visual
	60.692-3(a)				60.692-	initially and	inspection
					3(a)(4)	semi-annually	
VOC		Y		Problems identified during	40 CFR	periodic	Records
				40 CFR 60.692-3(a)	60.697(c)	when problem	
				inspections that could result		is identified	
1100		**		in VOC emissions	10.675		D .
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result		semi-annually	
				in VOC emissions			l .

Table VII – B5 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

	5-175	(IAI)	ik Sulj,	5-190 (TANK 502), 5-3	00 (1 ANK 2	(U/T 2U3)	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	PERMIT CO	NDIT	IONS				
Permit							
Condition 1	860 applies to	S-388	only				
VOC	BAAQMD	Y		fugitive emissions (300 ppm	BAAQMD	<u>periodic</u>	VOC
	Condition			as methane above	Condition	as required	monitor
	1860, Part 1			background)	1860, Part 3	by	
						BAAQMD	
						Regulation 8,	
						Rule 18	
throughput	BAAQMD	N		S-195: 5.0 E 4 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						
throughput	BAAQMD	Y		S-196: 5.0 E 4 bbl/yr	BAAQMD	P/M	Records
	Condition			S-388: 153,300 ton/yr	Condition		
	20989, Part				20989, Part A		
	A						

Table VII – B6 Applicable Limits and Compliance Monitoring Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S-121 (TANK 166)

Type of	Emission	-	Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-401.2		and visual
				covers			inspection

Table VII – B6 Applicable Limits and Compliance Monitoring Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S-121 (TANK 166)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is	
						replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
					D	degassed	
VOC		Y		Certification reports on tank	BAAQMD	periodic	Certification
				inspections and source tests	8-5-404	after each	Report
					8-5-405	tank	
						inspection	
						and source	
7100				D 1 0 1 1	D	test	
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	Records
				replacement	8-5-501.2	for each tank	
						seal	
7100					DAAOMD	replacement	
VOC		Y		Determination of	BAAQMD 8-5-604	P/E	look-up table
				applicability	8-3-004		or sample
	10 0000 00 0						analysis
NESHAPS				SHAPS for Petroleum Refine	ries		
<u>CC</u>		1	OR RECO	RDKEEPING ONLY	П		
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records
	63.641			organic HAP in stored liquid		initially and	
				for Group 2 determination.	(iv)	upon change	
						in service	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	N		3.52 E 4 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
					20707, I all A		
	A						

Table VII – B7 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Limit Limit FE Effective Citation Y/N Date Emission Limit BAAQMD Organic Compounds - STORAGE OF ORGANIC LI	OATING-ROOF TANKS
BAAQMD Organic Compounds - STORAGE OF ORGANIC LI	QUIDS OATING-ROOF TANKS
·	OATING-ROOF TANKS
8-5 LIMITS AND MONITORING FOR EXTERNAL FL	and DAAOMD periodic records
VOC BAAQMD Y Record of liquids stored	· · · · · · · · · · · · · · · · · · ·
8-5-301 true vapor pressure	
	upon change
VOC PALOYER V	of service
VOC BAAQMD Y Floating roof fitting closes standards; includes gash	
8-3-320 standards; includes gash	inspection
VOC BAAQMD Y Primary rim-seal standa	
8-5-321 includes gap criteria	
	seal is
	replaced
VOC BAAQMD Y Secondary rim-sea	· · · · · · · · · · · · · · · · · · ·
8-5-322 standards; includes g	·
criteria	seal is
	replaced
VOC BAAQMD Y Concentration of < 10,	
8-5-328.1.2 ppm as methane after degassing	er 8-5-503 each time hydrocarbo emptied & detector
degassing	degassed detector
VOC Y Certification reports on	
inspections and source	
	8-5-405 inspection and
	source test
VOC Y Records of tank sea	\ —
replacement	8-5-501.2 after each tank
	seal inspection
VOC Y Determination of	BAAQMD P/E look-up table sample analy
applicability	
NESHAPS 40 CFR 63 Subpart CC – NESHAPS for Petroleum R CC and 40 CFR 60 Subpart Kb – NSPS for VOL Storage Ves	
NSPS Kb LIMITS AND MONITORING FOR EXTERNAL FL	
VOC 40 CFR Y Deck fitting closure	
63.640 Standards; includes gasl	· · · · · · · · · · · · · · · · · · ·
(n)(1), standards, includes gash	60.113b time emptied &
60.112b	(b)(6) degassed
(a)(2)(ii)	

Table VII – B7 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Type of	Emission		Future	070)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Lillit	Citation	Y/N		Emission Limit	Citation	•	_
MOG			Date			(P/C/N)	Туре
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement
	63.640			includes gap criteria	63.640(n)(8),	initially & at 5	and visual
	(n)(1),				60.113b	yr intervals	inspection
	60.113b				(b)(1)-(b)(3)		
T/OG	(b)(4)(i)	3.7		0 1 : 1	40 CEP		
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement
	63.640			standards; includes gap	63.640(n)(8),	initially &	and visual
	(n)(1),			criteria	60.113b	annually	inspection
	60.113b				(b)(1)-(b)(3)		
TIO C	(b)(4)(ii)	3.7		D 1 01: 11 1 1	40 CER		D 1
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	Records
	63.640			rue vapor pressure	63.640(n)(8),	upon change of	
	(n)(1),				60.116b	service	
	60.116b				(c) & (e)		
MOG	(c)	3.7		0 1: 4: 1.0	40 CED	. 1.	D 1
VOC		Y		Seal inspection records for	40 CFR	periodic	Records
				report in 40 CFR	63.640(n)(8),	For each gap	
110.0		• • •		60.115b(b)(2)	60.115b(b)(3)	measurement	
VOC		Y		Inspection report for seal	40 CFR	<u>periodic</u>	Report
				gap measurements	63.640(n)(8),	Within 60 days	
					60.115b(b)(2)	of seal gap	
110.0		• • •		7	40 GPP	measurement	
VOC		Y		Inspection report for non-	40 CFR	periodic	Report
				compliant seals	63.640(n)(8),	Within 30 days	
					60.115b(b)(4)	of seal	
D						inspection	
_	PERMIT CO	UNDIT	TONS				
Permit							
The following	ng applies to	S-439	only		11	Т	
throughput	BAAQMD	Y		3,650,000 bbl/yr	BAAQMD	P/M	records
	Condition			•	Condition		
	12124, Part				12124, Part 3		
					12124, Fail 3		
	1						

Table VII – B7 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Type of	Emission		Future	,	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
The following	ng applies to	S-440	only		II .	,	
throughput	BAAQMD	Y		3,600,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12125, Part				12125, Part 3		
	1						
The following	ng applies to	S-442 (only				
throughput	BAAQMD	Y		2,740,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12127, Part				12127, Part 3		
	1						
The following	ng applies to	S-444 (only				
throughput	BAAQMD	Y		4,380,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12129, Part				12129, Part 3		
	1						
The following	ng applies to	S-451 (only				
throughput	BAAQMD	Y		11,000,000 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	19476, Part				19476, Part 3		
	1						

Table VII – B8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

Type of	Emission		Future	1), 5-102 (1ANK 103), 5	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
DAAOMD						(170/11)	Туре
_		-		AGE OF ORGANIC LIQUID			
8-5		-	NITORING	G FOR EXTERNAL FLOAT	1	1	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	<u>periodic</u>	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
100	8-5-320	1		standards; includes gasketed	8-5-401.2	17571	and visual
				covers			inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
VOC	8-5-328.1.2	1		ppm as methane after	8-5-503	each time	hydrocarbon
	0 3 320.1.2			degassing	0 3 303	emptied &	detector
				aogussing		degassed	4000001
VOC		Y		Certification reports on tank	BAAQMD	periodic	Certification
				inspections and source tests	8-5-404	after each	report
					8-5-405	tank	
						inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
				replacement	8-5-501.2	after each	
						tank seal	
VOC		Y		Determination of	BAAQMD	inspection P/E	look un table
VOC		Y		applicability	8-5-604	P/E	look-up table or sample
				аррисаоппу	0-3-004		analysis
	11	l			1		anarysis

Table VII – B8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
The following	e following apply to S-106 only										
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual				
	8-5-303.1			pressure within 10% of	8-5-403		inspection				
				maximum allowable working							
				pressure of the tank, or at							
VOC	BAAQMD	Y		least 0.5 psig Pressure vacuum valve must	BAAQMD	P/SA	Method 21				
VOC	8-5-303.2	1		be gas-tight: < 500 ppm (as	8-5-403	r/SA	portable				
	0-3-303.2			methane) above background	8-5-503		hydrocarbon				
				memane) acove oackground	8-5-605		detector				
The following	ng apply to S	-106 or	ılv		•	l .					
				npounds – Wastewater (Oil W	ater Senarators	3)					
8-8	Di II QIVID 0		guille con	pounus musicimater (on m	ater separators	,,					
VOC	BAAQMD	Y		Primary seal gap criteria	BAAQMD	<u>periodic</u>	measurem				
	8-8-302.2				8-8-302.2.3	initially and	ent and				
	8-8-302.2.1					every 5 year	s inspection				
VOC	BAAQMD	Y		Secondary and wiper seal	BAAQMD	periodic	measurem				
	8-8-302.2			gap criteria	8-8-302.2.3	initially and	ent and				
	8-8-302.2.2			S-1 · · · ·		every 5 year					
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable				
	8-8-303			sampling devices	8-8-504		hydrocarb				
				1 0	8-8-603		on				
							detector				
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refiner	ries	l					
		_		EMENTS FOR GROUP 2 W		SOURCES					
NSPS Kb	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels							
and NSPS	40 CFR 60 S	ubpar	t QQQ – V	OC Emissions from Petroleun	n Refinery Was	tewater Syster	ns				
QQQ	LIMITS AN		NITORING	G FOR EXTERNAL FLOATI	NG ROOF TA						
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual				
	60.692-3(d)			standards; includes gasketed		initially &	inspection				
	60.112b			covers	60.113b	each time					
	(a)(2)(ii)				(b)(6)	emptied & degassed					
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement				
	60.692-3(d)	_		includes gap criteria	60.692-3(d)	initially & at	and visual				
	60.113b				60.113b	5 yr intervals	inspection				
	(b)(4)(i)				(b)(1)-(b)(3)						

Table VII – B8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

S-101 (1ANK 104), S-102 (1ANK 105), S-106 (1ANK 130)										
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement			
	60.692-3(d)			standards; includes gap	60.692-3(d)	initially &	and visual			
	60.113b			criteria	60.113b	annually	inspection			
	(b)(4)(ii)				(b)(1)-(b)(3)					
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	Records			
	60.692-3(d)			true vapor pressure	60.692-3(d)	upon change				
	60.116b				60.116b	of service				
	(c)				(c) & (e)					
VOC		Y		Seal inspection records for	40 CFR	<u>periodic</u>	Records			
				report in 40 CFR	60.692-3(d)	For each gap				
				60.115b(b)(2)	60.115b(b)(3)	measurement				
VOC		Y		Inspection report for seal	40 CFR	<u>periodic</u>	Report			
				gap measurements	60.692-3(d)	Within 60				
					60.115b(b)(2)	days of seal				
						gap				
						measurement				
VOC		Y		Inspection report for non-	40 CFR	<u>periodic</u>	Report			
				compliant seals	60.692-3(d)	Within 30				
					60.115b(b)(4)	days of seal				
						inspection				
•	PERMIT CO	ONDIT	IONS							
Permit		1			II.	I	T			
throughput	BAAQMD	Y		S-101: 3.68 E 9 gal/yr	BAAQMD	P/M	records			
	Condition			S-102: 3.68 E 9 gall/yr	Condition					
	20989, Part			S-106: 3.68 E 9 gal/yr	20989, Part A					
	A									

Table VII – B9

Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

т с	E		E 4	S-110 (TAIKE 1007)	M	M					
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS						
8-5	LIMITS AN	LIMITS AND MONITORING FOR INTERNAL FLOATING-ROOF TANKS									
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records				
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/SA	Measurement and visual inspection				
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection				
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection				
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/SA	Visual inspection				
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector				
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report				

Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	Records
				replacement	8-5-501.2	after each	
						tank seal	
TIO C		***		D : : : : :	BAAQMD	inspection	1 1 .11
VOC		Y		Determination of	8-5-604	P/E	look-up table
				applicability	8-3-004		or sample analysis
NESHAPS	40 CFR 63 S	Suhnar	t CC – NES	SHAPS for Petroleum Refine	ries		anarysis
CC and		•		S for VOL Storage Vessels	rics		
NSPS Kb		_		G FOR INTERNAL FLOAT	ING ROOF TA	NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.640			standards; includes gasketed	63.640(n)(8),	initially &	inspection
	(n)(1),			covers	60.113b	each time	
	60.112b				(a)(3) & (4)	emptied &	
	(a)(1)					degassed, at	
						least every 10	
						yr	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	visual
	63.640			no holes or tears	63.640(n)(8),	initially &	inspection
	(n)(1),				60.113b	each time	
	60.113b				(a)(3) & (4)	emptied &	
	(a)(1) & (4)					degassed, at	
						least every 10	
MOC	40 CED	Y		C 1	40 CED	yr	:1
VOC	40 CFR 63.640	Y		Secondary rim-seal standards; no holes or tears	40 CFR 63.640(n)(8),	<u>periodic</u> initially &	visual
				standards; no notes or tears		•	inspection
	(n)(1), 60.113b				60.113b	each time	
					(a)(3) & (4)	emptied &	
	(a)(1) & (4)					degassed, at	
						least every 10	
VOC	40 CFR	Y		Internal visual inspection	40 CFR	yr periodic	visual
, , ,	63.640	1		from viewports of fixed roof	63.640(n)(8),	initially &	inspection
	(n)(1),			nom viewports of fixed foot	60.113b	annually	mspection
	60.113b				(a)(2) & (3)	amauny	
	(a)(2)				(4)(2) & (3)		
	(a)(2)	1			I		

Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

1	1			5-440 (TANK 1007)	1		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	periodic	records
	63.640			true vapor pressure	63.640(n)(8),	upon change	
	(n)(1),				60.116b	of service	
	60.116b				(c) & (e)		
	(c)						
VOC		Y		Record of each initial,	40 CFR	<u>periodic</u>	records
				annual, and 10-year tank	63.640(n)(8),	for each tank	
				inspection	60.115b(a)(2)	inspection	
VOC		Y		Report of non-compliant	40 CFR	<u>periodic</u>	report
				annual inspection for tanks	63.640(n)(8),	within 30	
				with secondary seals	60.115b(a)(4)	days of tank	
						inspection	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	Y		2,190,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12133, Part				12133, Part 3		
	1						

Table VII – B10 Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-402.3		and visual
				covers			inspection

Table VII – B10

Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

		-0 (1	,	, 5-257 (Talik 1004), i	`		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
The followi	ng apply only	to S-1	26 and S-25	58			
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection

Table VII - B10

Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

Type of Emission Limit Feture Citation Y/N Date Emission Limit Citation Y/N Date Emission Limit Citation		J-12	70 (1	,	, 5-257 (Tank 1004), 8	3-230 (Tank		
Citation V/N Date Emission Limit Citation (P/C/N) Type	Type of	Emission		Future		Monitoring	Monitoring	
VOC BAAQMD S-5-303.2 Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background S-5-403 Pr/SA Method 21 portable hydrocarbon detector	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Be gas-tight: < 500 ppm (as methane) above background Be-5-303 Be-5-303 Be-5-303 Be-5-303 Be-5-303 Be-5-503 Be-5-503 Be-5-503 Be-5-503 Be-5-605 Be-5-503 Be-5-605 Be-5-503 Be-5-605 Be-5-503 Be-5-605 Be-5-605 Be-5-605 Be-5-503 Be-5-605 Be-5-605 Be-5-503 Be-5-605 Be-5-605		Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Methane Above background R-5-503 R-5-605 Nydrocarbon detector	VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
NESHAPS 40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HON LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF TANKS		8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
The following apply only to S-126 and S-258					methane) above background			hydrocarbon
NESHAPS 40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries						8-5-605		detector
CC	The following	ng apply only	to S-1	26 and S-25	58			
HAP	NESHAPS	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
HAP	CC	40 CFR 63 S	ubpar	t G – SOCN	MI HON			
HAP		LIMITS AN	D MO	NITORING	FOR INTERNAL FLOAT	ING ROOF TAI	NKS	_
HAP	HAP	40 CFR	Y		Deck fitting closure	40 CFR		visual
HAP		63.646(f)			standards			inspection
HAP								
HAP						63.120(a)(3)	-	
HAP							-	
HAP	TTAR	40 CEP	3.7		P: 1 1 1	40 GED		
63.120(a)(7)	HAP		Y		-		-	
HAP		` ′			no holes or tears	` ′		inspection
HAP		65.120(a)(7)				63.120(a)(3)		
HAP								
HAP							-	
63.646(a) 63.120(a)(4)	HAP	40 CFR	Y		No gaps visible from the	40 CFR	•	visual
HAP					0 1	63.646(a)		
63.646(a) roof or other obvious defects 63.646(a) inspection					•	63.120(a)(3)		•
63.120(a)(4) visible from the tank top 63.120(a)(3)	HAP	40 CFR	Y		No liquid on the floating	40 CFR	P/A	visual
BAAQMD Permit PERMIT CONDITIONS throughput BAAQMD N Condition 20989, Part S-126: 1.05 E 7 bbl/yr S-258: 7.01 E 7 bbl/yr S-258: 7.01 E 7 bbl/yr A BAAQMD P/M records Condition , Part A		63.646(a)			roof or other obvious defects	· /		inspection
Permit BAAQMD N S-126: 1.05 E 7 bbl/yr BAAQMD P/M records Condition S-257: 7.01 E 7 bbl/yr Condition , Part Condition , Part 20989, Part S-258: 7.01 E 7 bbl/yr A		63.120(a)(4)			visible from the tank top	63.120(a)(3)		
throughput BAAQMD N S-126: 1.05 E 7 bbl/yr BAAQMD P/M records Condition S-257: 7.01 E 7 bbl/yr Condition , Part 20989, Part S-258: 7.01 E 7 bbl/yr A	BAAQMD	PERMIT CO	ONDIT	TIONS				
Condition S-257: 7.01 E 7 bbl/yr Condition , Part S-258: 7.01 E 7 bbl/yr A	Permit						1	
20989, Part S-258: 7.01 E 7 bbl/yr A	throughput	BAAQMD	N		S-126: 1.05 E 7 bbl/yr	BAAQMD	P/M	records
		Condition			S-257: 7.01 E 7 bbl/yr	Condition , Part		
		20989, Part			S-258: 7.01 E 7 bbl/yr	A		
		A						

Table VII – B11 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271)S-449 (TANK 285)

Type of	Emission		Future), 5 113 (111 (1 271) 5	Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
BAAQMD				AGE OF ORGANIC LIQUII		(17011)	Турс					
8-5	ll -	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES										
VOC	BAAQMD	Y		Record of liquids stored and	III	periodic	records					
	8-5-301			true vapor pressure	8-5-501.1	initially and						
						upon change						
						of service						
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual					
	8-5-303.1			pressure within 10% of maximum allowable working	8-5-403		inspection					
				pressure of the tank, or at								
				least 0.5 psig								
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21					
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable					
				methane) above background	8-5-503		hydrocarbon					
WOO	DAAOMD	37		C41-1- :411	8-5-605		detector					
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency	BAAQMD 8-5-603.1	not specified	MOP Volume IV					
	0-3-300			requirement	8-3-003.1		ST-4					
VOC	BAAQMD	Y		Organic concentration in tank	BAAQMD	periodic	portable					
	8-5-328.1.2			<10,000 ppm as methane	8-5-503	each time	hydrocarbon					
				after cleaning		emptied &	detector					
				5	DAAOMD	degassed						
VOC		Y		Determination of	BAAQMD 8-5-604	P/E	look-up table					
				applicability	8-3-004		or sample analysis					
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		anarysis					
		_		ission point routed to fuel ga								
NSPS	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels								
Kb	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	EVICES (NOT	A FLARE)						
VOC	40 CFR	Y		Closed vent system leak	40 CFR	as required in	Method 21					
	60.112b	1		tightness standards (< 500	60.112b	40 CFR						
	(a)(3)(i)	1		ppmw)	(a)(3)(i)	60.485(b)						
						[Subpart VV]						
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified					
	60.112b	1		includes 95% efficiency	60.113b		parameter					
	(a)(3)(ii)			requirement	(c)(2)							
DAAOMD	DEDMIT CO		FIONE									
BAAQMD Permit	PERMIT CO	וועמע	IONS									
1 CI IIII												

Table VII – B11 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271)S-449 (TANK 285)

	S-300 (TANK 223), S-443 (TANK 271)S-449 (TANK 203)										
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
The followi	ing applies to S	5-445 c	only								
VOC	BAAQMD	Y		Requirement to vent	None	N	None				
	Condition			working emissions to fuel							
	12130, Part 1			gas system							
The followi	ing applies to S	5-449 c	only								
VOC	BAAQMD	Y		Requirement to vent	None	N	None				
	Condition			working emissions to fuel							
	11219, Part 1			gas system							
The followi	ng applies to S	5-360 d	only								
throughput	BAAQMD	Y		2.78 E 6 bbl/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989, Part A				20989, Part A						

Table VII – B12 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

			, , , , ,	TAIR 510), 5-447 (TAI			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Con	npoun	ds - STORA	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	DEVICES		
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
				tank, or at least 0.5 psig			
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
				methane) above background	8-5-503		hydrocarbon
					8-5-605		detector

Table VII – B12 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

	5-440 (TANK 310), 5-447 (TANK 311)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
VOC	BAAQMD	Y		Control device standards;	BAAQMD	not specified	MOP					
	8-5-306			includes 95% efficiency	8-5-603.1		Volume IV					
				requirement			ST-4					
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable					
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon					
				methane after cleaning		emptied &	detector					
VOC		Y		Determination of	BAAQMD	degassed P/E	1					
VOC		Y		Determination of applicability	8-5-604	P/E	look-up table or					
				applicatility	0 5 00 1		sample					
							analysis					
NONE	40 CFR 63 S	ubnar	t CC – NES	HAPS for Petroleum Refine	ries	l						
1,01,12		_		ssion point routed to fuel ga								
NSPS Kb				S for VOL Storage Vessels								
		-		G FOR CVS & CONTROL D	DEVICES (NOT	A FLARE)						
VOC	40 CFR	Y		Closed vent system leak	40 CFR	as required in	Method 21					
	60.112b			tightness standards (< 500	60.112b	40 CFR						
	(a)(3)(i)			ppmw)	(a)(3)(i)	60.485(b)						
						[Subpart VV]						
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified					
	60.112b			includes 95% efficiency	60.113b(c)(2)		parameter					
	(a)(3)(ii)			requirement								
	PERMIT CO	ONDIT	TIONS									
Permit												
The following	ng applies onl	ly to S-	446		1	<u> </u>	1					
VOC	BAAQMD	Y		Requirement to vent	None	N	None					
	Condition			working emissions to fuel								
	12131,			gas system								
	Part 1											
The following	ng applies onl	ly to S-	447									

Table VII – B12

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS

S-446 (TANK 310), S-447 (TANK 311)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	12132, Part			gas system			
	1						

Table VII – B13

Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-

256 (TANK 1003), S-259 (TANK 1006)

	230 (TANK 1003); 5-237 (TANK 1000)									
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS					
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	NKS	_			
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records			
	8-5-301			true vapor pressure	8-5-501.1	initially and				
						upon change				
						of service				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement			
	8-5-320			standards; includes gasketed	8-5-401.2		and visual			
				covers			inspection			
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal			
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection			
						seal is				
						replaced				
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal			
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection			
				criteria		seal is				
						replaced				

Table VII – B13

Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-

256 (TANK 1003), S-259 (TANK 1006)

	256 (TANK 1003), S-259 (TANK 1006)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector					
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Reports					
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records					
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis					
	ng apply only 178 (Tank 28		10 (Tank 1:	55), S-115 (Tank 160), S-123	(Tank 168), S-1	28 (Tank 174)	, S-129 (Tank					
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection					
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector					
	The following apply only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), and S-178 (Tank 288)											
	` `		t CC – NES	SHAPS for Petroleum Refine	ries							
CC	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G – SOCMI HON											
		•		G FOR EXTERNAL FLOAT	ING ROOF TA	NKS						

Table VII – B13

Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-

256 (TANK 1003), S-259 (TANK 1006)

			`	ANK 1003), 8-259 (1 AN	ı		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
HAP	(b)(3)&(5) 40 CFR	Y		Secondary rim-seal	(b)(1) & (2) 40 CFR	periodic	measurement
ПАГ	63.646(a)	1		standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)			oritoria	(b)(1) & (2)	umaany	mopeetion
BAAQMD	PERMIT C	ONDIT	TIONS		(-)(-)(-)		
Permit		011211	10110				
throughput	BAAQMD	N		S-97: 1.1 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S-100: 4.38 E 6 bbl/yr	Condition		
	20989, Part			S-110: 1.40 E 7 bbl/yr	20989, Part A		
	A			S-111: 1.31 E 7 bbl/yr			
				S-112: 1.49 E 7 bbl/yr			
				S-114: 1.31 E 7 bbl/yr			
				S-115: 4.38 E 6 bbl/yr			
				S-122: 4.38 E 6 bbl/yr			
				S-123: 5.1 E 6 bbl/yr			
				S-128: 5.1 E 6 bbl/yr			
				S-177: 2.63 E 7 bbl/yr			
				S-186: 4.38 E 6 bbl/yr			
				S-254: 7.01 E 7 bbl/yr			
				S-255: 7.01 E 7 bbl/yr			
				S-256: 7.01 E 7 bbl/yr			
				S-259: 7.01 E 7 bbl/yr			

Table VII – B13

Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-

256 (TANK 1003), S-259 (TANK 1006)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		S-129: 4.6 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S-150: 4.38 E 7 bbl/yr	Condition		
	20989, Part			S-151: 4.38 E 7 bbl/yr	20989, Part A		
	A			S-178: 3.50 E 7 bbl/yr			

Table VII – B14

Applicable Limits and Compliance Monitoring Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

Type of	Emission		Future	(1111/11	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	os		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	_
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-401.2		and visual
				covers			inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is	
						replaced	

Table VII – B14 Applicable Limits and Compliance Monitoring Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

	NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)										
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable				
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon				
				degassing		emptied &	detector				
						degassed					
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Reports				
				inspections and source tests	8-5-404	after each					
					8-5-405	tank					
						inspection					
						and source					
VOC		Y		Records of tank seal	DAAOMD	test	Records				
VOC		I		replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each	Records				
				теріасетісті	8-3-301.2	tank seal					
						inspection					
VOC		Y		Determination of	BAAQMD	P/E	look-up table				
, 50		•		applicability	8-5-604	1,12	or sample				
							analysis				
NESHAPS	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries						
CC, NSPS	40 CFR 63 S	_									
K (note 2),	40 CFR 60 S	ubpar	t K – NSPS	for Petroleum Storage Vess	els						
and NSPS	40 CFR 60 S	ubpar	t Ka – NSP	S for Petroleum Storage Ves	sels						
Ka (note 3)	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA	ANKS					
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual				
	63.640(n)(5)			standards	63.640(n)(5)	initially &	inspection				
	63.646(f)				63.646	each time					
					(a) & (e)	emptied &					
					63.120	degassed					
					(b)(10)						
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement				
	63.640(n)(5)			includes gap criteria	63.640(n)(5)	initially & at	and visual				
	63.646(a)				63.646(a)	5 yr intervals	inspection				
	63.120 (b)(2) &(5)				63.120 (b)(1) & (2)						
ПУБ	(b)(3)&(5)	V		Sagandary rim agal	(b)(1) & (2)	nariadia	maaguramari				
HAP	40 CFR 63.640(n)(5)	Y		Secondary rim-seal standards; includes gap	40 CFR 63.640(n)(5)	periodic initially &	measurement and visual				
	63.646(a)			criteria	63.646(a)	annually	inspection				
	63.120			CITICIIA	63.120	aiiiuaiiy	mspection				
	(b)(4)&(6)				(b)(1) & (2)						
	(0)(7)&(0)				(U)(1) & (2)						

Table VII - B14

Applicable Limits and Compliance Monitoring Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	PERMIT C	ONDIT	TIONS				
Permit							
throughput	BAAQMD	Y		S-341: 4.38 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S-342: 4.38 E 7 bbl/yr	Condition		
	20989, Part			S-343: 4.38 E 7 bbl/yr	20989, Part A		
	A						
throughput	BAAQMD	N		S-334: 6.51 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

- 2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S-334 (Tank 107) is subject to NSPS K and MACT.
- 3. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S-341 (Tank 208), S-342 (Tank 209), and S-343 (Tank 210) are subject to NSPS Ka and MACT.

Table VII – B15
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

), 5 110 (1ank 200), E			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Con	npoun	ds - STORA	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	EVICES		
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
				tank, or at least 0.5 psig			

Table VII – B15
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

	(-), 5-140 (Tank 203), 8	102 (141111		-
Emission		Future		Monitoring	Monitoring	
Limit	FE	Effective		Requirement	Frequency	Monitoring
Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
8-5-303.2						portable
			methane) above background			hydrocarbon
						detector
-	Y		I	-	not specified	MOP
8-5-306			_	8-5-603.1		Volume IV
						ST-4
	Y			~		portable
8-5-328.1.2				8-5-503		hydrocarbon
			methane after cleaning			detector
			5	DAAOMD	_	
	Y		_ *************************************	-	P/E	look-up table
			applicability	8-3-004		or sample
40.677.62.6				_		analysis
	•					
Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.		
PERMIT CO	ONDIT	TIONS				
ng applies to S	S-182 (only				
BAAQMD	Y		Requirement to vent		N	
Condition			working emissions to fuel			
13184, Part			gas system			
1			,			
ng applies to S	S-139 a	and S-140 o	nly	II		
BAAQMD	N		S-139: 2.74 E 6 bbl/yr	BAAQMD	P/M	records
Condition			S-140: 2.74 E 6 bbl/yr	Condition		
20989, Part				20989, Part A		
A						_
	Emission Limit Citation BAAQMD 8-5-303.2 BAAQMD 8-5-306 BAAQMD 8-5-328.1.2 40 CFR 63 S Exempt per PERMIT CO BAAQMD Condition 13184, Part 1 ng applies to S BAAQMD Condition 120989, Part	Emission Limit Citation V/N BAAQMD 8-5-303.2 BAAQMD 8-5-306 BAAQMD 8-5-328.1.2 Y 40 CFR 63 Subpar Exempt per 63.640 PERMIT CONDIT 13 applies to S-182 of BAAQMD Condition 13184, Part 1 1 1 ag applies to S-139 af BAAQMD Condition 20989, Part	Emission Limit FE Citation BAAQMD 8-5-303.2 BAAQMD 8-5-306 BAAQMD 8-5-328.1.2 Y 40 CFR 63 Subpart CC – NESExempt per 63.640(d)(5). Emiper Permit Condition 13184, Part 1 1 1	Emission Limit FE Citation Y/N Date Emission Limit BAAQMD 8-5-303.2 BAAQMD BAAQMD 8-5-306 BAAQMD Condition BAAQMD Condition BAAQMD Condition BAAQMD BAAQMD Condition BAAQMD BAAQMD Condition BAAQMD BAAQMD Condition Condition BAAQMD Condition C	Emission Limit FE Effective Citation Y/N Date Emission Limit Citation BAAQMD Y Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background 8-5-403 8-5-605	Emission Limit FE Effective Citation Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background 8-5-403 8-5-605 BAAQMD AS-5-306 Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background 8-5-605 BAAQMD AS-5-306 Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background BAAQMD Pressure vacuum valve must BAAQMD Pressure vacuum valve vacuum

Table VII – B16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

				5-133 (TANK 193)							
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
BAAQMD	Organic Co	organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	NKS					
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records				
	8-5-301			true vapor pressure	8-5-501.1	initially and					
						upon change					
						of service					
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual				
	8-5-303.1			pressure within 10% of	8-5-403		inspection				
				maximum allowable working							
				pressure of the tank, or at least 0.5 psig							
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21				
100	8-5-303.2	1		be gas-tight: < 500 ppm (as	8-5-403	175/1	portable				
				methane) above background	8-5-503		hydrocarbon				
					8-5-605		detector				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement				
	8-5-320			standards; includes gasketed	8-5-401.2		and visual				
				covers			inspection				
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal				
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection				
						seal is					
VOC	DA AOMB	Y		0 1 : 1	DAAOMB	replaced P/SA and	Seal				
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap	BAAQMD 8-5-401.1	every time a	inspection				
	0-3-322			criteria	8-3-401.1	seal is	mspection				
				Cintoria		replaced					
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable				
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon				
				degassing		emptied &	detector				
						degassed					
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports				
				inspections and source tests	8-5-404	after each					
					8-5-405	tank					
						inspection					
						and source					
						test					

Table VII – B16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S-133 (TANK 193)

Type of Limit FE Effective Monitoring Requirement Frequency Monitoring Properties Monitoring Requirement Frequency Monitoring Properties Monitoring Monitor		ı			S-133 (TANK 193)	1		
Citation V/N Date Emission Limit Citation (PC/N) Type	Type of	Emission		Future		Monitoring	Monitoring	
VOC	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Preplacement R-5-501.2 after each tank seal inspection		Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) BAAQMD 9- Printally Separators BAAQMD 9- Printally 8-8 - S-604 BAAQMD 9- Printally 8-8 - S-603 BAAQMD 8- Printally 8-8 - S-603 BAAQ	VOC		Y		Records of tank seal	BAAQMD	periodic	records
VOC					replacement	8-5-501.2	after each	
P/E Determination of applicability BAAQMD 8-5-604 P/E look-up table or sample analysis							tank seal	
BAAQMD BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) WOC BAAQMD Y Vapor tight gauging and sampling devices 8-8-504 8-8-603 by Sampling devices 8-8-603 by Sampling devices 8-8-603 by Sampling devices 8-8-603 by Sampling devices 8-8-305.1 by Slop oil tank vessel roof criteria; includes gap criteria 8-8-305.1 by Slop oil tank vessel roof criteria; includes gap criteria 8-8-305.1 by Slop oil tank vessel roof criteria; includes gap criteria 8-8-305.1 by Sampling devices 8-8-305.1 by Slop oil tank vessel roof criteria; includes gap criteria 8-8-305.1 by Slop oil tank vessel roof sampling devices 8-8-603 by Sampling devices 8-8-305.1 by Slop oil tank vessel roof sampling devices 8-8-305.1 by Slop oil tank vessel roof sampling devices 8-8-305.1 by Slop oil tank vessel roof sampling devices 9-8-603.1 by Sampling devices 8-8-504 sampling devices 8-8-603 sampling devices 8-8-504 sampling devices 8-8-603 sampling devices 8-8-603 sampling devices 8-8-603 sampling devices 8-8-504 sampling devices 9-8-504 sampling devices 8-8-504 sampling devices sampling devices sampling devices 8-8-504 sampling devices 8-8-504 sampling devices 8-8-504 sampling devices 8-8-504 sampling devices sampling devices 8-8-504 sampling devices 8-8-504 sampling devices samp								
BAAQMD 8-8 - Organic Compounds - Wastewater (Oil Water Separators) 8-8 VOC BAAQMD Y Sampling devices 8-8-504 Se-8-303 BAAQMD Se-8-8-303 Se-8-303 Se-8-304 Se-8-603	VOC		Y			I	P/E	
BAAQMD BAAQMD Y Vapor tight gauging and sampling devices BAAQMD N Portable hydrocarbon detector					applicability	8-5-604		_
NESHAPS Word BAAQMD Y Slop oil tank vessel roof BAAQMD R-8-504 S-8-603 wisual inspection S-8-305.1 wisual inspection Wisual wisual inspection S-8-305.1 wisual inspection Wisual wisual inspection S-8-305.1 wisual wis								analysis
VOC	_	BAAQMD 8	8-8 – O	rganic Com	pounds – Wastewater (Oil V	Vater Separators		
NESHAPS A CFR 63 Subpart CC - NESHAPS for Petroleum Refineries Sandards			1			П	1	
NESHAPS CC	VOC	-	Y				N	
VOC		8-8-303			sampling devices			-
NESHAPS CC 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries CC 40 CFR 63 Subpart G – SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS HAP 40 CFR Y Deck fitting closure standards (a) & (e) each time 63.120 emptied & (b)(10) degassed HAP 40 CFR Y Primary rim-seal standards; (a) & (e) each time 63.120 emptied & (b)(10) degassed HAP 40 CFR Y Primary rim-seal standards; (a) CFR periodic initially & inspection (b)(3)&(5) (b)(3)&(5) (b)(1)&(2) intervals HAP 40 CFR Y Secondary rim-seal 40 CFR periodic initially & inspection (b)(1)&(2) intervals (a) (b)(1)&(2) (b)(1)&(2)								
NESHAPS CC	VOC	-	Y		*	-		
NESHAPS 40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS		8-8-305.1			criteria; includes gap criteria	8-8-305.1	1	inspection
NESHAPS CC								
CC	NECHARC	40 CED (2.6		, CC NEC	SHADGE DAIL DE	•	annually	
HAP			_			ries		
HAP	CC					INC DOOF TAN	JIZC	
HAP	HAD			MITOKING		1	+	vienal
(a) & (e) each time 63.120 emptied & degassed	IIAI		1		Č .		_	
HAP 40 CFR Y Primary rim-seal standards; 63.646(a) initially & and visual 63.120 (b)(3)&(5) (b)(3)&(5) (b)(1) & (2) intervals HAP 40 CFR Y Secondary rim-seal 40 CFR periodic inspection (b)(1) & (2) intervals HAP 40 CFR Y Secondary rim-seal 40 CFR periodic inspection (b)(1) & (2) intervals 63.646(a) standards; includes gap 63.646(a) initially & and visual inspection (b)(4)&(6) (b)(4)&(6) (b)(1) & (2) BAAQMD PERMIT CONDITIONS Permit throughput BAAQMD Y 8.76 E 5 bbl/yr BAAQMD Condition 20989, 20989, Part Part A		05.010(1)			Standards		_	mspection
HAP								
HAP 40 CFR Y includes gap criteria 63.646(a) at 5 yr inspection (b)(3)&(5) (b)(1) & (2) intervals HAP 40 CFR Y Secondary rim-seal standards; (b)(1) & (2) intervals HAP 40 CFR Y Secondary rim-seal standards; includes gap criteria 63.646(a) initially & and visual inspection (b)(1) & (2) intervals HAP 63.646(a) standards; includes gap 63.646(a) initially & and visual inspection (b)(4)&(6) (b)(4)&(6) (b)(1) & (2) BAAQMD PERMIT CONDITIONS PERMIT CONDITIONS BAAQMD Y 8.76 E 5 bbl/yr BAAQMD P/M Records Condition 20989, Part Part A							_	
63.646(a) includes gap criteria 63.646(a) initially & and visual 63.120 at 5 yr inspection	HAP	40 CFR	Y		Primary rim-seal standards;			measurement
(b)(3)&(5)		63.646(a)			-	63.646(a)		and visual
HAP 40 CFR Y 63.646(a) 63.120 (b)(4)&(6) BAAQMD Permit throughput BAAQMD Condition 20989, Part Secondary rim-seal standards; includes gap criteria Secondary rim-seal standards; includes gap (63.646(a) 63.120 (b)(1) & (2) BAAQMD Criteria 40 CFR 63.646(a) initially & and visual annually inspection BAAQMD Condition Condition 20989, Part A Records		63.120				63.120	at 5 yr	inspection
63.646(a) standards; includes gap 63.646(a) initially & and visual 63.120 (b)(4)&(6)		(b)(3)&(5)				(b)(1) & (2)	intervals	
63.120 criteria 63.120 annually inspection	HAP	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement
(b)(4)&(6) (b)(1) & (2)							initially &	and visual
BAAQMD PERMIT CONDITIONS Permit BAAQMD Y 8.76 E 5 bbl/yr BAAQMD P/M Condition 20989, Part PART A					criteria		annually	inspection
Permit throughput BAAQMD Y 8.76 E 5 bbl/yr BAAQMD P/M Records Condition Condition Condition 20989, Part Part A Part A						(b)(1) & (2)		
throughput BAAQMD Y 8.76 E 5 bbl/yr BAAQMD P/M Records Condition 20989, Part Part A		PERMIT C	ONDIT	TIONS				
Condition 20989, Part Part A								
20989, Part Part A	throughput	-	Y		8.76 E 5 bbl/yr	-		Records
		Condition				Condition 20989.		
		20989, Part				Part A		
		A						

Table VII – B17 Applicable Limits and Compliance Monitoring Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S-340 (TANK 108)

Limit Citation V/N Date Emission Limit Frequency Monitoring Type	Type of	Emission		Future	S C 10 (TARKE 100)	Monitoring	Monitoring	
Citation Y/N Date Emission Limit Citation (P/C/N) Type			EE			_	_	Monitoring
BAAQMD Seband S	Lillit					<u> </u>		_
NOC BAAQMD Y Record of liquids stored and true vapor pressure S-501.1 SAAQMD Product							(P/C/N)	Туре
VOC BAAQMD Y Floating roof fitting closure 8-5-501.1 BAAQMD P/SA Measurement and visual inspection seal is replaced	BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	DS		
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed covers BAAQMD P/SA and seal inspection	8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	<u></u>
VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced very time a very	VOC	`	Y		~	BAAQMD		Records
VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal is replaced VOC BAAQMD Y Concentration of < 10,000 ppm as methane after degassing Seal seach time emptied & degassed VOC Y Certification reports on tank inspections and source tests VOC Y Records of tank seal replacement Secondary rim-seal seal is replaced every time a seal		8-5-301			true vapor pressure	8-5-501.1	-	
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed covers BAAQMD P/SA and inspection Seal is replaced Se3-321 Secondary rim-seal standards; includes gap criteria Seal is replaced Se3-322 Secondary rim-seal standards; includes gap criteria Seal is replaced Seal is repl								
Sebandards; includes gasketed covers Sebandards; includes gap criteria Sebandards; inspection Sebandards; insp								
VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria seal is replaced VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria seal is replaced VOC BAAQMD Y Concentration of < 10,000 ppm as methane after degassing seal is replaced VOC Y Certification reports on tank inspection and source tests VOC Y Records of tank seal replacement seal seal inspection VOC Y Determination of BAAQMD periodic after each tank inspection and source test tank inspection VOC Y Determination of BAAQMD P/E look-up table	VOC	~	Y			_	P/SA	
VOC BAAQMD 8-5-321 Y Primary rim-seal standards; includes gap criteria BAAQMD 8-5-401.1 P/SA and every time a seal is replaced VOC BAAQMD 8-5-322 Y Secondary rim-seal standards; includes gap criteria BAAQMD P/SA and seal is replaced Seal VOC BAAQMD 8-5-322 Y Concentration of < 10,000 ppm as methane after degassing		8-5-320				8-5-401.2		
Sebal Secondary rim-seal Secondary replaced Protable Secondary replaced Secondary	710.0	D				D	7/21	-
VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria VOC BAAQMD Y Concentration of < 10,000 ppm as methane after degassing VOC Y Certification reports on tank inspection and source tests VOC Y Records of tank seal replacement VOC Y Records of tank seal replacement VOC Y Determination of BAAQMD P/E look-up table	VOC		Y			II -		
VOC BAAQMD 8-5-322 Y Secondary rim-seal standards; includes gap criteria BAAQMD 8-5-401.1 P/SA and every time a seal inspection VOC BAAQMD 8-5-328.1.2 Y Concentration of < 10,000 ppm as methane after degassing		8-3-321			includes gap criteria	8-5-401.1	-	inspection
VOC BAAQMD 8-5-322 Y Secondary rim-seal standards; includes gap criteria BAAQMD 8-5-401.1 P/SA and every time a seal inspection VOC BAAQMD 8-5-328.1.2 Y Concentration of < 10,000 ppm as methane after degassing								
Secords of tank seal replacement Secords of tan	VOC	BAAOMD	v		Secondary rim seel	BAAOMD		See 1
VOC BAAQMD Y Concentration of < 10,000 BAAQMD periodic each time hydrocarbon detector degassing VOC Y Certification reports on tank inspection and source tests VOC Y Records of tank seal replacement replacement replacement VOC Y Determination of BAAQMD P/E look-up table	VOC	-	1		_	-		
VOC BAAQMD 8-5-328.1.2 Y Concentration of < 10,000 ppm as methane after degassing BAAQMD 8-5-503 periodic each time emptied & hydrocarbon degassed VOC Y Certification reports on tank inspections and source tests BAAQMD 8-5-404 periodic after each tank inspection and source test VOC Y Records of tank seal replacement BAAQMD 8-5-501.2 periodic after each tank inspection and source test VOC Y Records of tank seal replacement BAAQMD 8-5-501.2 records VOC Y Determination of BAAQMD 9/E look-up table		0-3-322				0-3-401.1		mspection
VOC BAAQMD 8-5-328.1.2 Y Concentration of < 10,000 ppm as methane after degassing BAAQMD 8-5-503 periodic each time emptied & degassed Portable hydrocarbon detector VOC Y Certification reports on tank inspections and source tests BAAQMD 8-5-404 periodic after each tank inspection and source test reports VOC Y Records of tank seal replacement BAAQMD 8-5-501.2 periodic after each tank seal inspection VOC Y Determination of BAAQMD P/E look-up table					on on the same of			
VOC Y Records of tank seal replacement YOC Y Determination of BAAQMD P/E look-up table 8-5-328.1.2 ppm as methane after degassing	VOC	BAAOMD	Y		Concentration of < 10,000	BAAOMD	-	Portable
VOC Y Certification reports on tank inspections and source tests VOC Y Records of tank seal replacement VOC Y Determination of BAAQMD Deriodic after each tank inspection and source test VOC Y Determination of BAAQMD P/E look-up table					-			hydrocarbon
VOC Y Certification reports on tank inspections and source tests BAAQMD 8-5-404 after each tank inspection and source test reports VOC Y Records of tank seal replacement BAAQMD 9-riodic after each tank seal inspection records VOC Y Determination of BAAQMD P/E look-up table					degassing		emptied &	detector
inspections and source tests S-5-404 after each tank inspection and source test							degassed	
VOC Y Petermination of BAAQMD tank seal inspection and source test B-5-405 tank inspection and source test BAAQMD periodic records after each tank seal inspection BAAQMD P/E look-up table	VOC		Y		Certification reports on tank		periodic	reports
VOC Y Petermination of BAAQMD inspection and source test replacement work after each tank seal inspection between the source test replacement and source test replacement after each tank seal inspection records tank seal tank s					inspections and source tests		after each	
VOC Y Records of tank seal BAAQMD periodic records replacement 8-5-501.2 after each tank seal inspection VOC Y Determination of BAAQMD P/E look-up table						8-5-405		
VOC Y Records of tank seal replacement BAAQMD periodic after each tank seal inspection records VOC Y Determination of BAAQMD P/E look-up table								
VOC Y Records of tank seal replacement BAAQMD 8-5-501.2 periodic after each tank seal inspection VOC Y Determination of BAAQMD P/E look-up table								
replacement 8-5-501.2 after each tank seal inspection VOC Y Determination of BAAQMD P/E look-up table	MOC		37		D 1 1	DAAGME		1
VOC Y Determination of BAAQMD P/E look-up table	VOC		Y			_		records
VOC Y Determination of BAAQMD P/E look-up table					replacement	8-3-301.2		
VOC Y Determination of BAAQMD P/E look-up table								
	VOC		v		Determination of	BAAOMD	-	look-up table
approximity 1 of sumple	, , ,		1				1/15	_
analysis					аррисцопи			_

Table VII – B17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

1				5-340 (TANK 108)	Ti and the second secon	1	1
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries	,	J.1
	40 CFR 63 S	-					
		•		S for Petroleum Storage Ves	sels		
		•		G FOR EXTERNAL FLOAT		ANKS	
HAP	40 CFR	Y	THIOMIN	Deck fitting closure	40 CFR	periodic	visual
117.11	63.640(n)(5)	_		standards	63.640(n)(5)	initially &	inspection
	63.646(f)			Staridards	63.646	each time	mspection
	03.010(1)				(a) & (e)	emptied &	
					63.120	degassed	
					(b)(10)		
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.640(n)(5))		includes gap criteria	63.640(n)(5)	initially & at	and visual
	63.646(a)				63.646(a)	5 yr intervals	inspection
	63.120				63.120		_
	(b)(3)&(5)				(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.640(n)(5))		standards; includes gap	63.640(n)(5)	initially &	and visual
	63.646(a)			criteria	63.646(a)	annually	inspection
	63.120				63.120		
	(b)(4)&(6)				(b)(1) & (2)		
_	PERMIT CO	ONDI	ΓIONS				
Permit					<u> </u>	T	T
throughput	BAAQMD	Y		7.67 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						
	ll **	1				I	l l

^{2.} Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S-340 (Tank 108) is subject to NSPS Ka and MACT.

Table VII – B18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183

(TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Type of	Emission		Future	101 (1AIW 220), 5 20		<u> </u>					
		- DE			Monitoring	Monitoring	3.5				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
BAAQMD	Organic Co	Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS					
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records				
	8-5-301			true vapor pressure	8-5-501.1	initially and					
						upon change					
***	D + + 0 \ (D	• • •		71 0.00 1	D	of service	3.5				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement				
	8-5-320			standards; includes gasketed	8-5-401.2		and visual				
VOC	BAAQMD	Y		covers Primary rim-seal standards;	BAAQMD	P/SA and	inspection Seal				
VOC	8-5-321	1		includes gap criteria	8-5-401.1	every time a	inspection				
	0 3 321			merades gap eriteria	8-3-401.1	seal is	mspection				
						replaced					
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal				
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection				
				criteria		seal is					
						replaced					
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable				
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon				
				degassing		emptied & degassed	detector				
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports				
VOC		I		inspections and source tests	8-5-404	after each	reports				
				inspections and source tests	8-5-405	tank					
						inspection					
						and source					
						test					
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records				
				replacement	8-5-501.2	after each					
						tank seal					
1100		**		B	DAAGME	inspection	1 1				
VOC		Y		Determination of	BAAQMD 8-5-604	P/E	look-up table				
				applicability	8-3-004		or sample				
	I	l			I		analysis				

Table VII – B18

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183

(TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Type of	Emission		Future	101 (1711(112)0); 5 20	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Lillit	-			T	•		S
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
			07 (Tank 1:	50), S-113 (Tank 158), S-125	(Tank 170)		1
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
VOC	BAAQMD	Y		tank, or at least 0.5 psig Pressure vacuum valve must	BAAQMD	P/SA	Method 21
VOC	8-5-303.2	1		be gas-tight: < 500 ppm (as	8-5-403	P/SA	portable
	0-3-303.2			methane) above background	8-5-503		hydrocarbon
				memane) above background	8-5-605		detector
The following	1g apply only	to S-1	07 (Tank 1:	50), S-113 (Tank 158), S-125			
	<u>, , , , , , , , , , , , , , , , , , , </u>			SHAPS for Petroleum Refine			
CC	40 CFR 63 S	•					
				G FOR EXTERNAL FLOAT	TING ROOF T	ANKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
HAP	(b)(3)&(5) 40 CFR	Y		Secondary rim-seal	(b)(1) & (2) 40 CFR	periodic	measurement
ПАГ	63.646(a)	I		standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)			orrorra.	(b)(1) & (2)	umuun	mop ec tion
BAAQMD	PERMIT C	ONDI	TIONS		u \ /\ / \ /	<u> </u>	1
Permit					П	•	
throughput	BAAQMD	N		S-107: 8.76 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition			S-113: 1.49 E 7 bbl/yr	Condition,		
	20989, Part			S-124: 4.38 E 6 bbl/yr	Part A		
	A			S-125: 1.05 E 7 bbl/yr			
				S-261: 7.01 E 7 bbl/yr			
1	11			= : :::= = : === ; =	1	I	I

Table VII – B18

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183

(TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		S-183: 4.38 E 5 bbl/yr	BAAQMD	P/M	records
	Condition			S-184: 4.38 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	A						

Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

Type of	Emission		Future	Ì	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-401.2		and visual
				covers			inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is	
						replaced	

Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	reports
				inspections and source tests	8-5-404	after each	
					8-5-405	tank	
						inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
				replacement	8-5-501.2	after each	
						tank seal	
					D 4 4 6 1 (D)	inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NESHAPS	40 CED (2.5	\ \	ACC NES	SHAPS for Petroleum Refine			
		•			ries		
CC	40 CFR 63 S LIMITS AN			WI HON G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	•
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
	(b)(3)&(5)				(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
BAAQMD	PERMIT C	ONDIT	TIONS				
Permit							

Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	N		4.6 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

Table VII – B20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS S-134 (TANK 194)

Type of	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
BAAQMD	Organic Co	Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	TING-ROOF TA	ANKS					
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records				
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection				
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	8-5-403	P/SA	Method 21 portable hydrocarbon detector				
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection				
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection				

Table VII – B20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS

S-134 (TANK 194)

				S-134 (TANK 194)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is	
****	D 4 4 63 FD			G	D	replaced	5 . 11
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied & degassed	detector
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports
1		1		inspections and source tests	8-5-404	after each	reports
				mspections and source tests	8-5-405	tank	
						inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
				replacement	8-5-501.2	after each	
						tank seal	
						inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
BAAQMD	BAAQMD 8	8-8 – O	rganic Con	npounds – Wastewater (Oil V	Vater Separator	rs)	
8-8							
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					8-8-603		detector
VOC	BAAQMD	Y		Slop oil tank vessel roof	BAAQMD	periodic	visual
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection
						semi-	
	40 6555 64 6	<u> </u>			<u> </u>	annually	
NESHAPS		_		SHAPS for Petroleum Refine	eries		
CC	40 CFR 63 S				TIMO DOOR T	ANIZO	
	LIMITS AN	ND MO	ONITORING	G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	_
					63.120	emptied &	
					(b)(10)	degassed	

Table VII – B20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS

S-134 (TANK 194)

				5-154 (TANK 174)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
	(b)(3)&(5)				(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
BAAQMD Permit	PERMIT C	ONDIT	TIONS				
throughput	BAAQMD	N		1.31 E 7 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

Table VII - B21

Applicable Limits and Compliance Monitoring Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S-91 (TANK 73), S-94 (TANK 78), S-98 (TANK 101), S-99 (TANK 102), S-103 (TANK 106), S-120 (TANK 165), S-130 (TANK 188), S-131 (TANK 189), S-132 (TANK 191), S-136 (TANK 201), S-137 (TANK 202), S-138 (TANK 203), S-141 (TANK 213), S-142 (TANK 214), S-143 (TANK 215), S-144 (TANK 216), S-145 (TANK 217), S-148 (TANK 231), S-149 (TANK 232), S-157 (TANK 252), S-162 (TANK 262), S-164 (TANK 264), S-165 (TANK 265), S-166 (TANK 266), S-167 (TANK 268), S-168 (TANK 269), S-169 (TANK 270), S-171 (TANK 273), S-172 (TANK 279), S-173 (TANK 280), S-174 (TANK 281), S-179 (TANK 291), S-180 (TANK 292), S-187 (TANK 299), S-191 (TANK 303), S-192 (TANK 304), S-202 (TANK 521), S-204 (TANK 528), S-205 (TANK 529), S-206 (TANK 530), S-207 (TANK 531), S-209 (TANK 674), S-224 (TANK 746), S-225 (TANK 747), S-226 (TANK 748), S-227 (TANK 749), S-228 (TANK 750), S-229 (TANK 751), S-230 (TANK 752), S-231 (TANK 753), S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1346), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	BAAQMD 8	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS							
	Exempt per	8-5-11	7. Low vap	or pressure		_	_		
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure		
	Condition			when true vapor pressure is less	Condition		determination		
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material		
	20773, 1 417 1						change		
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAP for Petroleum Refiner	ies				
CC	MONITOR	ING F	OR RECO	RDKEEPING ONLY	_	_			
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records		
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and			
				for Group 2 determination.	(iv)	upon change			
						in service			

Table VII – B22 Applicable Limits and Compliance Monitoring Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-158 (TANK 258), S-175 (TANK 284)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring			
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per 8-5-117. Low vapor pressure									
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change			
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries									
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.					

Table VII – B23A Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING + BUT WITH GROUP I MACT FLEXIBILITY S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
	BAAQMD 8	-5 - Oı	rganic Com	pounds - STORAGE OF OR	GANIC LIQUI	IDS				
	Exempt per	Exempt per 8-5-117. Low vapor pressure								
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change			
NESHAPS	40 CFR 63 S	ubpar	t CC – NES	SHAP for Petroleum Refineri	ies					
CC	MONITORI	NG F	OR RECOR	RDKEEPING ONLY						

⁺ Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

Table VII – B23A

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit	FE	Future Effective	Policies I to 4	Monitoring Requirement	Monitoring Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
	BAAQMD 8	AAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	Exempt per 8-5-117. Low vapor pressure									
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records				
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and					
				for Group 2 determination.	(iv)	upon change					
						in service					

Table VII – B23B

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUI	DS		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ΓING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-401.2		and visual
				covers			inspection

⁺ Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

Table VII – B23B Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

	S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal					
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection					
						seal is						
						replaced						
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal					
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection					
				criteria		seal is						
						replaced						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable					
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon					
				degassing		emptied &	detector					
WOO		37		Continuo anno anto anto anto	BAAQMD	degassed	D					
VOC		Y		Certification reports on tank inspections and source tests	8-5-404	<u>periodic</u> after each	Reports					
				hispections and source tests	8-5-405	tank						
					0 0 100	inspection						
						and source						
						test						
VOC		Y		Records of tank seal	BAAQMD	periodic	Records					
				replacement	8-5-501.2	after each						
				-		tank seal						
						inspection						
VOC		Y		Determination of	BAAQMD	P/E	look-up table					
				applicability	8-5-604		or sample					
							analysis					
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	eries							
CC	40 CFR 63 S	Subpar	t G – SOCI	MI HON								
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	TING ROOF TA	NKS	_					
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual					
	63.646(f)			standards	63.646	initially &	inspection					
					(a) & (e)	each time						
					63.120	emptied &						
					(b)(10)	degassed						
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement					
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual					
	63.120				63.120	5 yr intervals	inspection					
	(b)(3)&(5)				(b)(1) & (2)							

Table VII – B23B

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		

Table VII – B24 Applicable Limits and Compliance Monitoring Requirements NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S-90 (TANK 67), S-105 (TANK 129)

			,,,,,	TANK 07), 5-105 (TAN			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-	5 - Oı	rganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
	20773,14101						change
NESHAPS	40 CFR 60 St	ıbpar	t K – NSPS	for Petroleum Storage Vess	els ¹		
CC	40 CFR 63 St	ıbpar	t CC – NES	SHAP for Petroleum Refiner	ies		
	MONITORIN	NG F	OR RECO	RDKEEPING ONLY			
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records
	63.640(n)(7)			organic HAP in stored liquid	63.654(i)(1)	initially and	
	63.641			for Group 2 determination.	(iv)	upon change	
						in service	

¹ Group 2 storage vessels as defined in 40 CFR 63 Subpart CC (MACT) that are subject to NSPS K but are exempt from control requirements in NSPS K are subject only to MACT per 63.640(n)(7).

Table VII – B25 Applicable Limits and Compliance Monitoring Requirements EXEMPT BUTANE SPHERES

S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

5-	188 (1ANK	(300)	<u>, 8-189 (</u>	TANK 301), S-190 (TA	NK 302), 5-2	255 (TANK	833)
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
BAAQMD	Organic Cor	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	DS		
8-5	LIMITS AN	D MO	NITORING	G FOR PRESSURE TANKS			
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
	1					of service	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
				tank, or at least 0.5 psig			
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
				methane) above background			hydrocarbon
					8-5-605		detector
VOC	BAAQMD	Y		Pressure tank must be gas	BAAQMD	not specified	Method 21
	8-5-307			tight: < 100 ppm (as	8-5-503		portable
				methane) above background	8-5-605		hydrocarbon detector
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable
VOC	8-5-328.1.2	1		tank <10,000 ppm as	8-5-503	each time	hydrocarbon
	0 3 320.1.2			methane after cleaning	0 3 303	emptied &	detector
				memane arter eleaning		degassed	detector
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NONE	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	eries		
	Exempt per 63.640(d)(5). Emission point routed to fuel gas system						
The followi	ng applies to	S-188	only				
NONE	40 CFR 60 S	Subpar	t Kb – NES	SHAPS for Petroleum Refine	ries		
	II	_		essure vessel designed to ope		f 204.9 kPa and	d without
		missions to the atmosphere.					

Table VII – B26
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF TANK VENTED TO FUEL GAS
S-135 (TANK 200)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS						
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	II	•		SHAPS for Petroleum Refine ission point routed to fuel ga			
NSPS Kb	40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries RECORDKEEPING ONLY						
Vapor pressure	40 CFR 60.110b(c)	Y	J OIVET	True vapor pressure less than 3.5 kPa.	40 CFR 60.116b(b)	P/E	Record

Table VII – B27
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

Type of Limit	Emission Limit	FE	Future Effective	,	Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS						
	Exempt per 8	B-5-11	7. Low vap	or pressure			
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change
NONE		-		SHAPS for Petroleum Refine ission point routed to fuel ga			
NSPS Kb	40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries RECORDKEEPING ONLY						
Vapor pressure	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b(b)	P/E	Record

of exceedance

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B27 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

				TANK 255, TANK 250	1		-
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
NSPS	40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms
QQQ							
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual
	60.692-3(a)				60.692-3(a)(4)	initially and	inspection
						semi-annually	
VOC		Y		Problems identified during	40 CFR	periodic	Records
				40 CFR 60.692-3(a)	60.697(c)	when problem	
				inspections that could result		is identified	
				in VOC emissions			
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result		semi-annually	
				in VOC emissions			

Table VII – B28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

Type of Emission Future Monitoring Monitoring Limit FE Limit **Effective** Requirement **Frequency** Monitoring Citation Y/N Date **Emission Limit** Citation (P/C/N) Type BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure 4/1/04 POC 8-5-117 & Exemption from Regulation 8-5 2-6-409.2 & P/E Vapor pressure when true vapor pressure is less Condition determination Condition 20773, Part 2 than 25.8 mm Hg (0.5 psia). upon material 20773, Part 1 change **NONE** 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES 40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries NSPS Kb RECORDKEEPING ONLY 40 CFR Y True vapor pressure less 40 CFR P/E Record Vapor pressure 60.110b(c) than 3.5 kPa. 60.116b(b) Y TVP exceedances (> 5.2 40 CFR periodic Notification Vapor 60.116b(d) within 30 days pressure kPa).

Table VII – B28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

TANK 237

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
NSPS	40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms
QQQ							
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	<u>periodic</u>	Visual
	60.692-3(a)				60.692-3(a)(4)	initially and	inspection
						semi-annually	
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Records
				40 CFR 60.692-3(a)	60.697(c)	when problem	
				inspections that could result		is identified	
				in VOC emissions			
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result		semi-annually	
				in VOC emissions			

Table VII – B29 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK

TANK 224

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-	5 - Oı	ganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y	4/1/04	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
							change
NESHAPS	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries		
CC and	40 CFR 60 St	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	t Petroleum Re	fineries	
NSPS Kb	RECORDKE	EPIN	G ONLY				
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	63.640(n)(1)			than 3.5 kPa.	63.640(n)(8)		
	60.110b(c)				60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification
pressure				kPa).	60.116b(d)	within 30 days	
						of exceedance	

Table VII – B30 Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring	
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type	
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS							
	Exempt per 8	-5-11	7. Low vap	or pressure				
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change	
	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES							

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD		
Regulations		
6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
8-2-301	VOC Emission Limit for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
8-5-301	Tank Emission Control System Requirements, 95% Abatement Efficiency	Manual of Procedures, Volume IV, ST-4
8-5-303.2	Gas Tight Requirements for	Organic compounds shall be measured using a portable gas
8-5-306, and 8-5-307	Organic Liquid Storage Tanks	detector as prescribed in EPA Reference Method 21 (40 CFR 60, Appendix A)
8-5-320	Floating Roof Tank (internal and external) tank fitting gap measurement	Physical measurements as described in BAAQMD 8-5-320 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-321	Floating Roof Tank (internal and external) primary rim seal gap gap measurement	Physical measurements as described in BAAQMD 8-5-321 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-322	Floating Roof Tank (internal and external) secondary rim seal gap gap measurement	Physical measurements as described in BAAQMD 8-5-322 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-328.1.2	Tank Degassing Emission Control System Requirements	Manual of Procedures, Volume IV, ST-7

Applicable	D : (: 6D :	
Requirement	Description of Requirement	Acceptable Test Methods
8-7-301	Phase I Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor
	Requirements	Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing
		Facility Phase I Volumetric Efficiency
8-7-302	Phase II Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Vapor Tightness; ST-
	Requirements	37, Liquid Removal; and ST-41, Liquid Retain and Spitting from
		Nozzles
8-8-302.3	Oil-Water Separator Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-307.2	Air Flotation Unit Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-504	Portable Hydrocarbon Detector	A gas detector that meets the specifications and performance
		criteria of and has been calibrated in accordance with EPA
		Reference Method 21 (40 CFR 60, Appendix A)
8-8-601	Wastewater Analysis for Critical	Samples of wastewater shall be taken at the influent stream for
	OCs	each unit and analyzed for the concentration of dissolved critical
		organic compounds as prescribed in the District's Manual of
		Procedures, Volume III, Lab Method 33.
8-8-602,	Determination of Emissions	Emissions of POCs, as specified in Sections 8-8-301.3, 8-8-302.3,
8-8-301.3,		8-8-304, 8-8-305.2, 8-8-306.2, and 8-8-307.2 shall be measured
8-8-302.3,		by as prescribed by any of the following methods: 1). BAAQMD
8-8-304,		MOP, Volume IV, ST-7 or; 2). EPA Method 25 or 25(A).
8-8-305.2,		
8-8-306.2, and		
8-8-307.2		
8-8-603,	Inspection Procedures	For the purposes of 8-8-301, 302, 303, and 304, leaks shall be
8-8-301,		measured using a portable gas detector as prescribed in EPA
8-8-302,		Reference Method 21 (40 CFR 60, Appendix A)
8-8-303, and		
8-8-304		
8-18	Fugitive Emission Monitoring	EPA Method 21
	Requirements	
8-44-301.1	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
8-44-301.2	during marine tank vessel	Vapor Recovery Units
	loading	
8-44-303	Tank vessel is leak free and gas	EPA Method 21
	tight	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-44-603	Leak Tests and Gas Tight Determinations	EPA Method 21
9-1-301, 9-2-301, 9-1-604	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-302	Sampling and Analysis, SO ₂	Manual of Procedures, Volume IV, ST-19 A or B
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring
9-1-313	NH3 and H2S abatement efficiency	Manual of Procedures, Volume III, Lab 32, Determination of H2S in Process Water Streams Manual of Procedures, Volume III, Lab 1, Determination of NH3 in Effluents
9-9-301.3	Emission Limits- Turbines Rated > 10 MW with SCR	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
9-10-301	Refinery-Wide NO _x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-303.1	NO _x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-305	CO Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-6 (carbon monoxide) for CEM verification by source test
40 CFR 60 Subpart A	New Source Performance Standards – General Provisions (12/23/71)	
40 CFR Subpart A 60.18(c)(1)	Visible emission monitoring	EPA Method 22: Visible Emissions

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60	Standards of Performance for	
Subpart Db	Industrial-Commercial-	
	Institutional Steam Generating	
	Units (3/13/00)	
40 CFR 60	NO _x Emission Limit	40 CFR 60 Appendix B, Performance Specification 2
Subpart Db		
60.44b(a)		
60.44b(e)		
40 CFR 60	Standards of Performance for	
Subpart J	Petroleum Refineries (7/1/00)	
40 CFR 60	Fuel Gas H2S Concentration	40 CFR 60 Appendix B, Performance Specification 7 and Method
Subpart J,	Limit	11 for Relative Accuracy
60.104(a)(1)		
40 CFR 60,	H2S concentration monitoring	EPA Method 3: O2
Subpart J,		
60.106(f)(3)		
40 CFR	SO2 concentration monitoring	EPA Method 6: SO2
60,Subpart J,		
60.106(f)(1)		
40 CFR 60,	H2S concentration monitoring	EPA Method 11: H2S
Subpart J,		
60.106(e)		
40 CFR	TRS concentration monitoring	EPA Method 15: Total Reduced Sulfur
60,Subpart J,		
60.106(f)(2)		
40 CFR 60	Standards of Performance for	
Subpart Kb	Volatile Organic Liquid	
	Storage Vessels	
40 CFR 60	NSPS Subpart Kb Closed Vent	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(b)
Subpart Kb	System – leak detection	Supplit v v 00.403(0)
60.112b		
(a)(3)(i)		
40 CFR 60	NSPS Subpart Kb Closed Vent	40 CFR 60 Subpart Kb 60.113b(c) Testing and Procedures
Subpart Kb	System Performance (95%	
60.112b	efficiency)	
(a)(3)(ii)		

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60	NSPS Subpart Kb External	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3)
Subpart Kb	Floating Roof Tank primary rim	Testing and Procedures
60.113b	seal gap measurement	
(b)(4)(i)		
40 CFR 60	NSPS Subpart Kb External	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3)
Subpart Kb	Floating Roof Tank secondary	Testing and Procedures
60.113b	rim seal gap measurement	
(b)(4)(ii)		
40 CFR 60	Standards of Performance for	
Subpart GG	Stationary Gas Turbines	
	(1/27/82)	
60.332 (a)(1)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.332 (a)(2)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (a)	SO2 Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (b)	Fuel Sulfur Limit (gaseous fuel)	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation ASTM D 4084-82, Standard Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method), ASTM D 3246-81, Standard Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry
60.333 (b)	Fuel Sulfur Limit (liquid fuel)	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel
		Oils
40 CFR 60,	Inspection Procedures	EPA Reference Method 21
Appendix A		
40 CFR 60	Standards of Performance for	
Subpart VV	Equipment Leaks of VOC in	
	SOCMI	
40 CFR 60	Pumps in light liquid service –	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	leak detection	Subpart VV 60.485(b)
60.482-2(b)(1)		

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60	Pumps in light liquid service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	designated for "no detectable	Subpart VV 60.485(c)
60.482-2(e)	emission" - leak detection	
40 CFR 60	Compressors designated for "no	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	detectable emission" - leak	Subpart VV 60.485(c)
60.482-3	detection	
40 CFR 60	Pressure relief valve (gas/vapor)	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	no detectable emissions after a	Subpart VV 60.485(c)
60.482-4(b)	pressure release event.	
40 CFR 60	Valves in gas/vapor service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	in light liquid service – leak	Subpart VV 60.485(b)
60.482-7(b)	detection.	
40 CFR 60	Valves in gas/vapor service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	in light liquid service and	Subpart VV 60.485(c)
60.482-7(f)	designated for "no detectable	
	emission" - leak detection	
40 CFR 60	Valves in gas/vapor service and	40 CFR 60 Appendix A, Method 21 once per year in accordance
Subpart VV	in light liquid service and	with written plan (60.482-7(h)(3)
60.482-7(h)	designated as difficult-to-	
	monitor.	
40 CFR 60	Pumps and valves in heavy	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	liquid service, pressure relief	Subpart VV 60.485(b)
60.482-8(b)	devices (liquid), and flanges and	
	other connectors – leak detection	
40 CFR 60	Individual valves meeting	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	criteria for skip period leak	Subpart VV 60.485(b)
60.483-2	detection – leak detection	
40 CFR 60	Standards of Performance For	
Subpart	Petroleum Refinery	
QQQ	Wastewater Systems	
40 CFR 60,	Performance test methods and	Sources equipped with a closed-vent system and control device
Subpart QQQ,	procedures and compliance	shall use EPA Method 21 to measure the emission concentrations,
60.696	provisions	using 500 ppm as the no detectable emission limit. Acceptable
		seal gap criteria also included.

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60,	Leak inspection procedures	40 CFR 60 Subpart QQQ, 60.696:
Subpart QQQ		EPA reference method 21 (40 CFR 60, Appendix A),
		Determination of Volatile Organic Compound Leaks
40 CFR 61	National Emission Standard	
Subpart FF	for Benzene Waste Operations	
40 CFR 61,	Leak inspection procedures	40 CFR 61 Subpart FF, 61.355(h):
Subpart FF		EPA reference method 21 (40 CFR 60, Appendix A),
61.349		Determination of Volatile Organic Compound Leaks
(a)(1)(i)		
	Visual Inspection	40 CFR 61 Subpart FF, 61.354(f)
40 CFR 61,		
Subpart FF		
61.354 (f)		
40 CFR 63	National Emissions Standards	
Subpart CC	for Hazardous Air Pollutants	
	from Petroleum Refineries –	
	General Standards	
40 CFR 63	Refinery MACT (40 CFR 63	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
Subpart CC	Subpart CC) Group 1 external	to Determine Compliance
63.646(a)	floating roof tanks primary rim-	
40 CFR 63	seal gap measurement	
Subpart G		
63.120(b)(3)		
63.120(b)(5)		
40 CFR 63	Refinery MACT (40 CFR 63	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
Subpart CC	Subpart CC) Group 1 external	to Determine Compliance
63.646(a)	floating roof tanks secondary	
40 CFR 63	rim-seal gap measurement	
Subpart G		
63.120(b)(4)		
63.120(b)(6)		

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
California		
Air		
Resources		
Board		
(CARB)		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torgue
Condition	test	Test"
18680, Part 2		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1C: "Drop Tube/Drain Valve
Condition	test	Assembly"
18680, Part 2		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1D: "Drop Tube Overfill
Condition	test	Prevention Device and Spill Container Drain Valve Leak Test"
18680, Part 2		

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] are not applicable to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX A - 1
Permit Shield for Non-applicable Requirements
ALL SOURCES

Citation	Title or Description	
	(Reason not applicable)	
BAAQMD	"Organic Compounds – Adhesive and Sealant Products" (7/17/02)	
Regulation 8,	The applicant has certified that none of the regulated activities specified in this rule are	
Rule 51	currently taking place at this facility.	
BAAQMD	"Hazardous Pollutants – Lead" (3/17/82)	
Regulation 11,	The applicant has certified that there are no sources at this facility with the potential to	
Rule 1	emit in excess of 15 pounds per day (11-1-301) each, or with the potential to result in	
	ground level lead concentrations in excess of 1.0 microgram/m3 averaged over 24 hours	
	(11-1-302).	

Table IX B - 1
Permit Shield for Subsumed Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
NSPS Subpart	Floating roofs installed as alternative	BAAQMD 8-8-302.1 and	The API separator shall be equipped
QQQ, 40 CFR 60.693-	standard for oil-water	Permit Condition 1440, Part 1	and operated such that the fixed roof is in full contact with the liquid at all
2(a)(1)	separators shall be		times. As described in the NSPS
	equipped with a		Subpart QQQ Request for Alternative
	closure device.		Standards pursuant to 40 CFR
			60.693-2(b) and 60.694 submitted to
			USEPA by Unocal on December 28,
			1987, in lieu of a floating roof
			equipped with a closure device, the
			separator would be equipped with the
			full contact fixed roof as an
			equivalent closure device.

Table IX B - 1
Permit Shield for Subsumed Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
NSPS Subpart QQQ, 40 CFR 60.693- 2(a)(3)	Floating roofs installed as alternative standard for oil-water separators shall be floating on the liquid (i.e., off the roof supports) at all times, except for low flow conditions.	BAAQMD 8-8-302.1 and Permit Condition 1440, Part 1	The API separator shall be equipped and operated such that the fixed roof is in full contact with the liquid at all times. As described in the NSPS Subpart QQQ Request for Alternative Standards pursuant to 40 CFR 60.693-2(b) and 60.694 submitted to USEPA by Unocal on December 28, 1987, in lieu of a floating roof equipped with a closure device, the separator would be equipped with the full contact fixed roof as an equivalent closure device.
NSPS Subpart QQQ, 40 CFR 60.697(k)	For oil-water separators subject to 60.693-2, record information from inspections conducted pursuant to the 60.693-2(a)(1)(iii)(A) and (B) requirements for floating roofs equipped with a closure device.	BAAQMD 8-8-302.1 and Permit Condition 1440, Part 1	The API separator shall be equipped and operated such that the fixed roof is in full contact with the liquid at all times. As described in the NSPS Subpart QQQ Request for Alternative Standards pursuant to 40 CFR 60.693-2(b) and 60.694 submitted to USEPA by Unocal on December 28, 1987, in lieu of a floating roof equipped with a closure device, the separator would be equipped with the full contact fixed roof as an equivalent closure device.

Table IX B - 2 Permit Shield for Subsumed Requirements

S-352 – COMBUSTION TURBINE

S-353 – COMBUSTION TURBINE

S-354 – COMBUSTION TURBINE

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
NSPS Subpart GG, 40 CFR 60.334(a)	Install and operate a continuous monitoring system to monitor and record the ratio of water to fuel being fired in the turbine.	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 40 CFR 60.334(b).	Per BAAQMD regulations and permit conditions, ConocoPhillips has equipped the turbines with NOx CEMs in lieu of monitoring the water-to-fuelratio being fired in the turbines. Further, proposed amendments to Subpart GG (FR 17990), allow facilities to install and operate a NOx CEM in lieu of water to fuel ratio monitoring.
NSPS Subpart GG, 40 CFR 60.334(b)	Monitor nitrogen content of the fuel being fired in the turbine.	Proposed Subpart GG Amendments: 40 CFR 60.334(h)(2).	Per proposed amendments to Subpart GG (FR 17990), facilities that elect to take no allowance for fuel bound nitrogen in determining the applicable NOx standard are not required to monitor nitrogen fuel content. ConocoPhillips will elect to take this approach when the proposed amendments become effective (May 29, 2003), resulting in a revised NOx standard per 60.332(a)(2) of 150 ppmv at 15% O2 with no fuel bound nitrogen monitoring.
NSPS Subpart GG, 40 CFR 60.334(c)(1)	Definition of excess nitrogen oxide emissions for purposes of reports under 40 CFR 60.7(c) is based on any one-hour period during which the average water-to-fuel ratio falls below the water-to-fuel ratio determined to demonstrate compliance by the performance test required in 60.8	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 40 CFR 60.334(j)(1)(iii).	Per proposed amendments to Subpart GG (FR 17990), the definition of excess emissions is revised for facilities that install and operate a NOx CEMS in lieu of water to fuel ratio monitoring. The revised definition is based on an operating hour in which the 4-hour rolling average NOx concentration as measured by the CEM exceeds the 60.332(a)(2) limit.

X. GLOSSARY

ACT

Federal Clean Air Act

APCO

Air Pollution Control Officer

ARB

Air Resources Board

BAAOMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

BARCT

Best Available Retrofit Control Technology

Rasis

The underlying authority which allows the District to impose requirements.

CAA

The federal Clean Air Act

CAAOS

California Ambient Air Quality Standards

CAPCOA

California Air Pollution Control Officers Association

CEC

California Energy Commission

CEQA

California Environmental Quality Act

CEM

A "continuous emission monitor" is a monitoring device which provides a continuous record of some parameter (e.g. NOx concentration) in an exhaust steam.

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO

Carbon Monoxide

CO₂

Carbon Dioxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

DAF

A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT

Dead Weight Tons

District

The Bay Area Air Quality Management District

dscf

Dry Standard Cubic Feet

E 6, E 9, E 12

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, $4.53 ext{ E } 6$ equals $(4.53)x(10^6) = (4.53)x(10x10x10x10x10x10) = 4,530,000$. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT

An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EMP

Environmental Management Plan

ESF

Electrostatic Precipitator

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

FCC

Fluid Catalytic Cracker

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, Subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

GRU

Gas Recovery Unit

H₂S

Hydrogen sulfide

H₂SO₄

Sulfuric Acid

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

HC

Hydrocarbon

Hg

Mercury

HNC

Heavy Neutral Hydrocracker

HNHF

Heavy Neutral Hydrofinisher

HHV

High Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

IFRT

An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

LFSO

Low sulfur fuel oil

Lighter

"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

LNC

Light Neutral Hydrocracker

LNHF

Light Neutral Hydrofinisher

LPG

Liquid Petroleum Gas

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MM

Million

Mo Gas

Motor gasoline

MOP

The District's Manual of Procedures

MTBE

Methyl Tertiary Butyl Ether

NA

Not applicable

NAAQS

National Ambient Air Quality Standards

NESHAPs

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

NMHC

Non-methane Hydrocarbons

NMOC

Non-methane Organic Compounds (Same as NMHC)

NOx

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O_2

The chemical name for naturally-occurring oxygen gas.

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

RACT

Reasonably Available Control Technology

Regulated Organic Liquid

"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

SCR

A "selective catalytic reduction" unit is an abatement device which reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

SDA

Solvent deasphalting

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO₂

Sulfur dioxide

SO2 Bubble

An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

SO₃

Sulfur trioxide

SRU

Sulfur Recovery Unit

ST-7

Source Test Method #7: Non-Methane Organic Carbon Sampling

THC

Total Hydrocarbons (NMHC + Methane)

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TKC

Taylor Kinetic Cracking

TOC

Total Organic Compounds (NMOC + Methane, Same as THC)

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

TRS

"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP

Total Suspended Particulate

VGO

Vacuum Gas Oil

VOC

Volatile Organic Compounds

VR

Vapor Recovery

WWT

Wastewater Treatment

Units of Measure:

bbl	=	barrels
bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million, millimeter
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

XI. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1